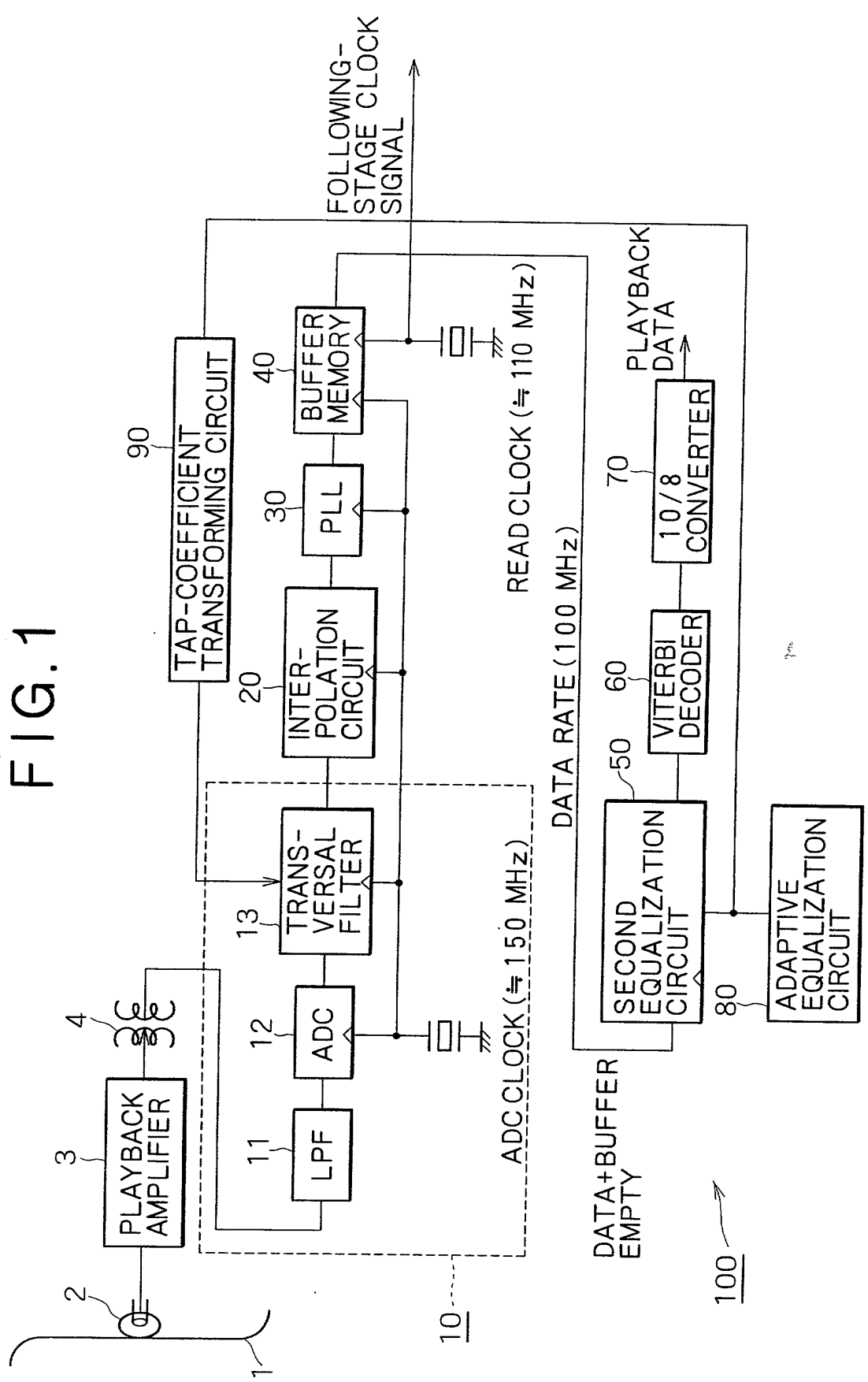
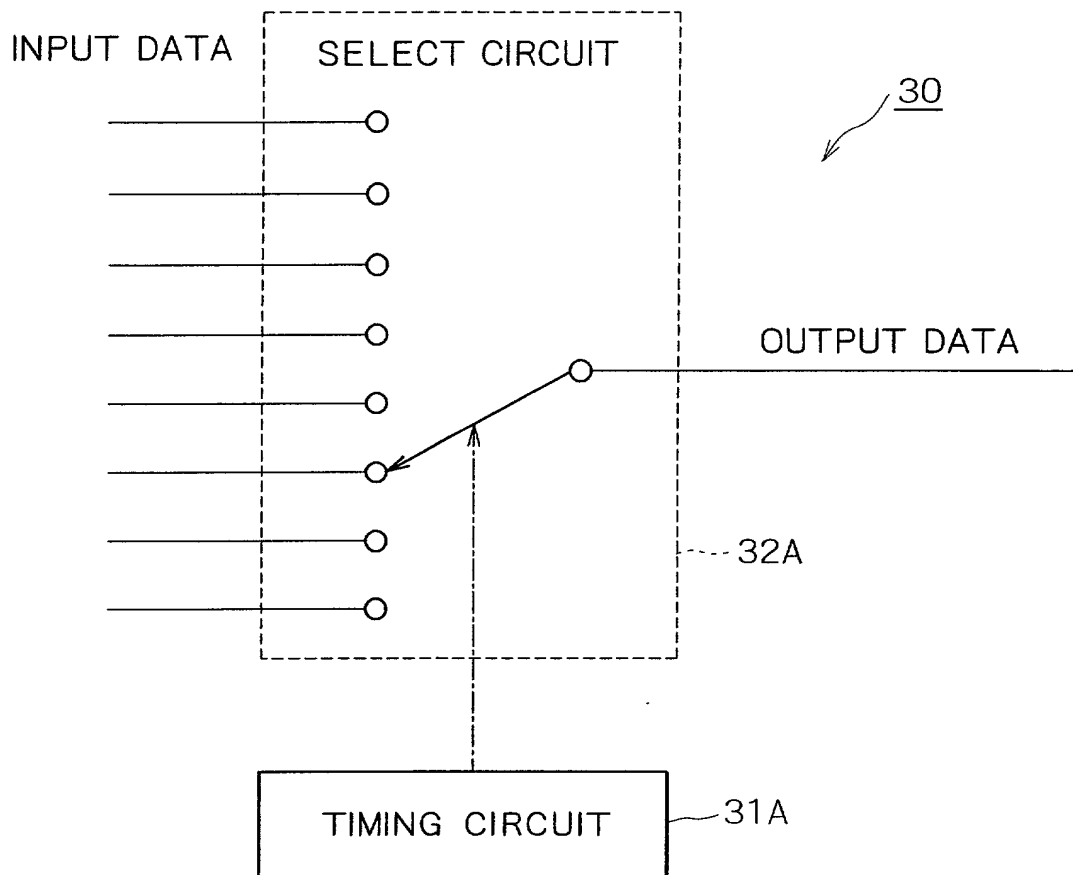


FIG. 1



# FIG. 2



# FIG. 3

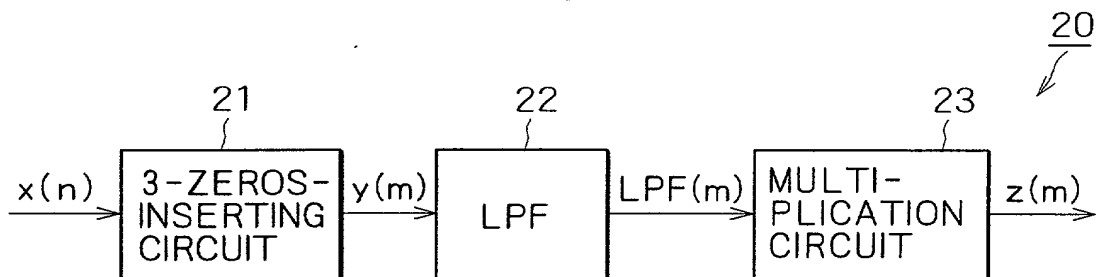


FIG. 4A

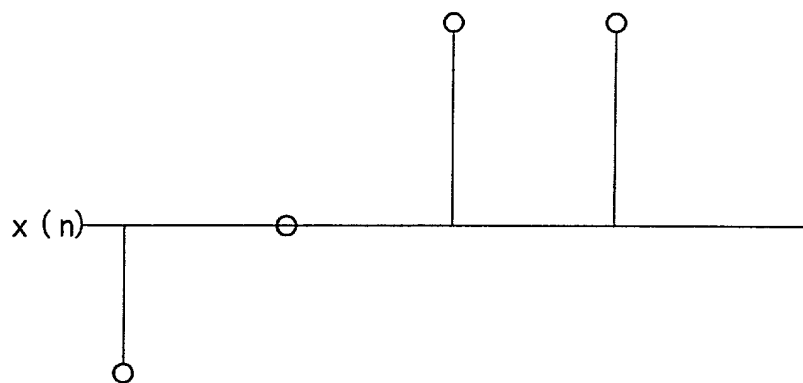


FIG. 4B

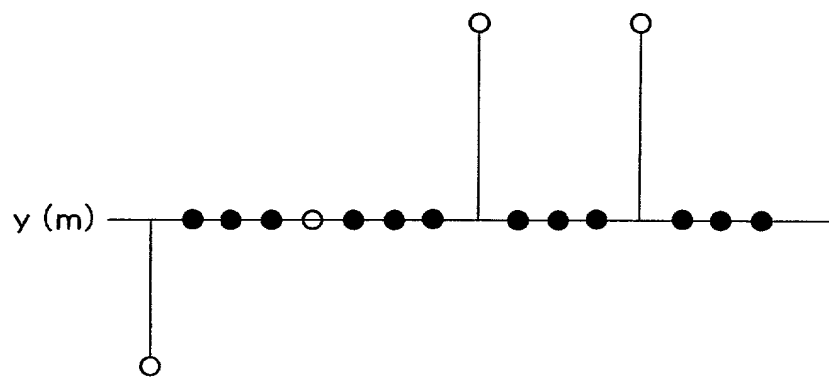


FIG. 4C

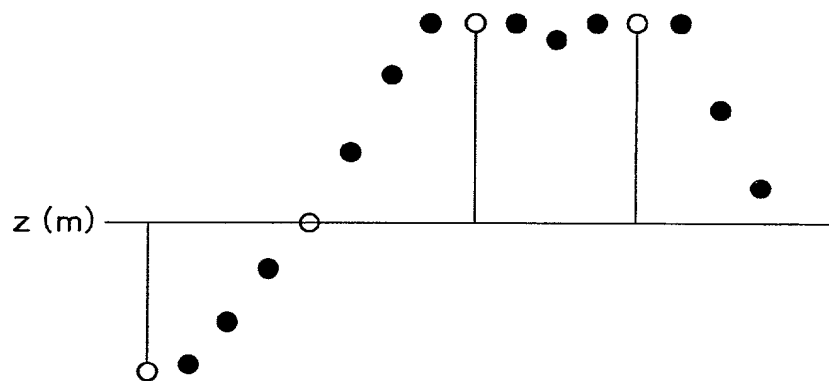


FIG. 5

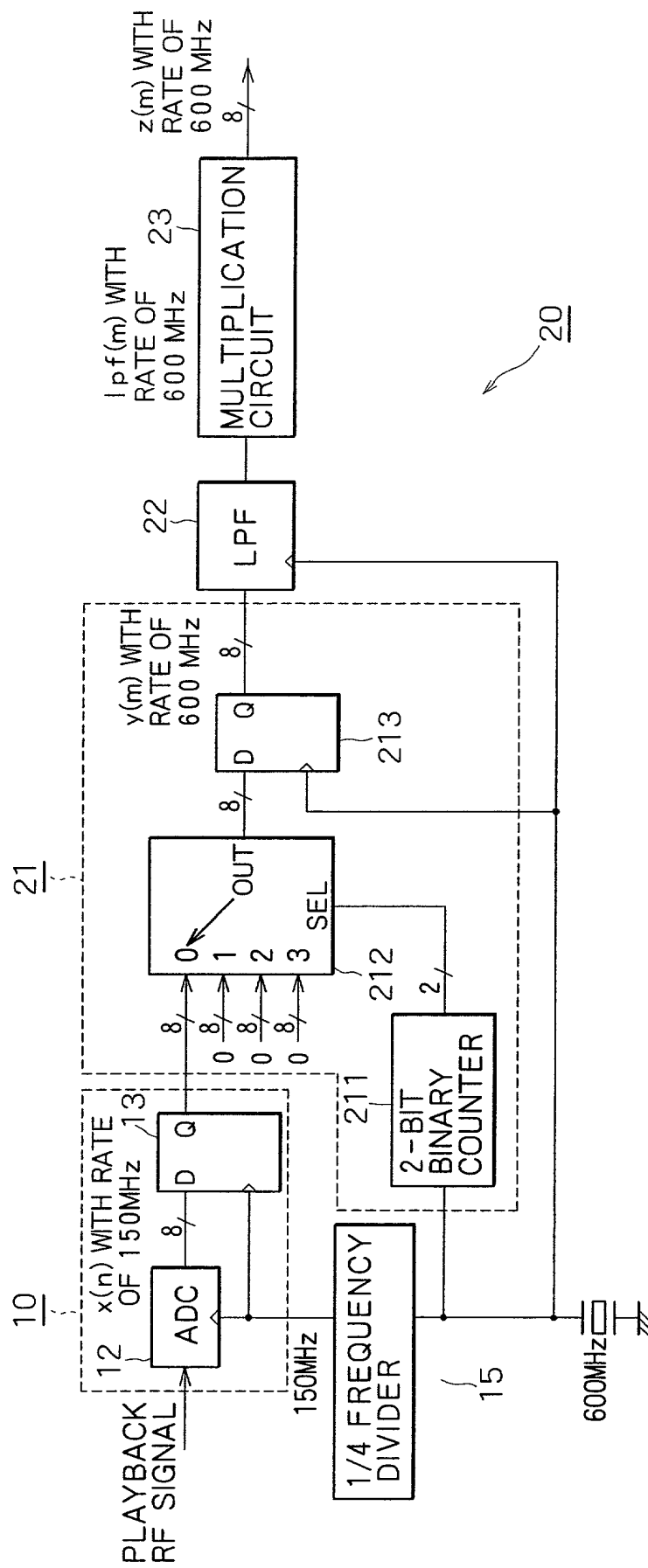


FIG. 6

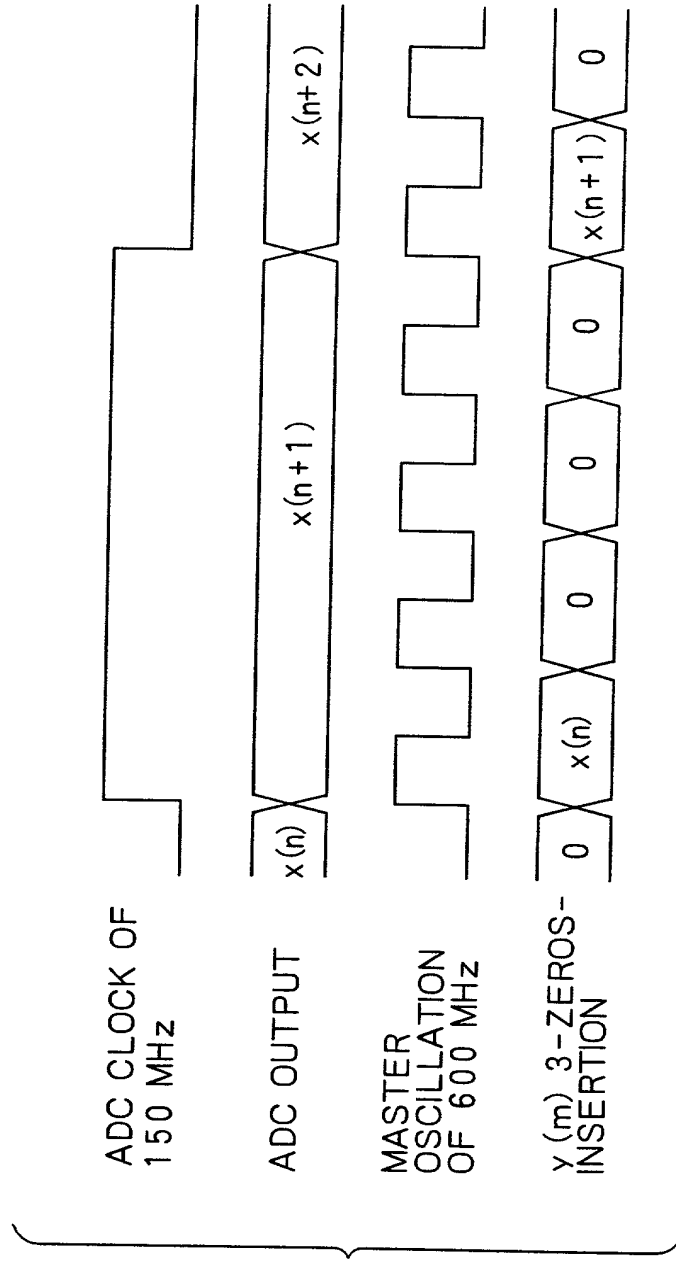


FIG. 7A

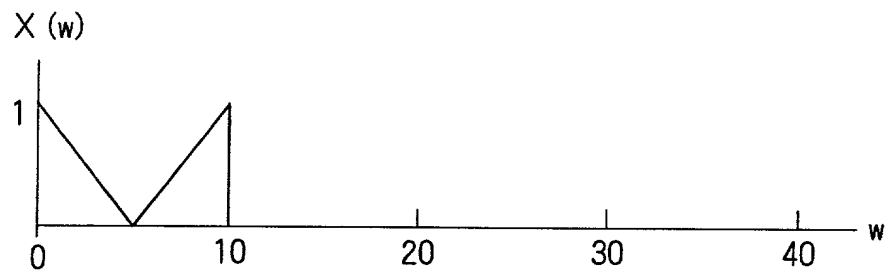
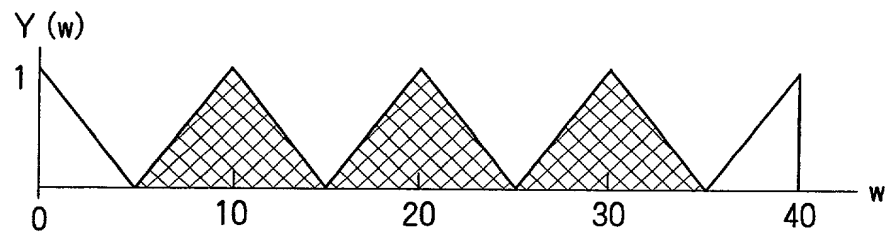


FIG. 7B



LPF TRANSFER  
CHARACTERISTICS

FIG. 7C

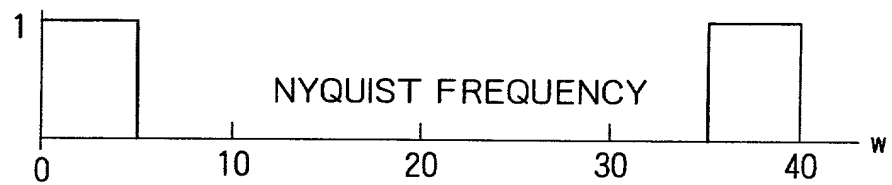


FIG. 7D

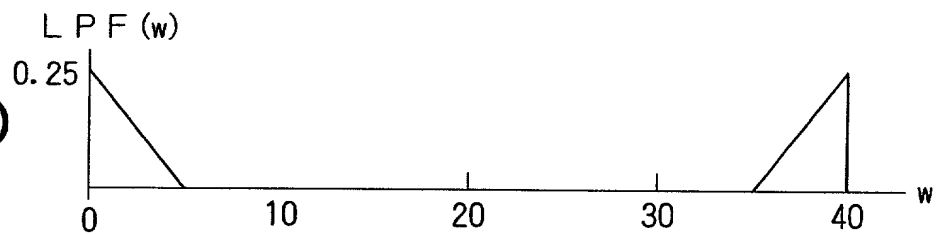
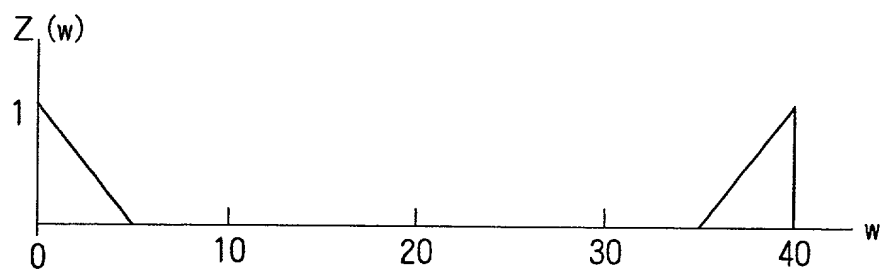


FIG. 7E



# FIG. 8

TRANSFER CHARACTERISTICS OF THE x4 INTERPOLATION LPF

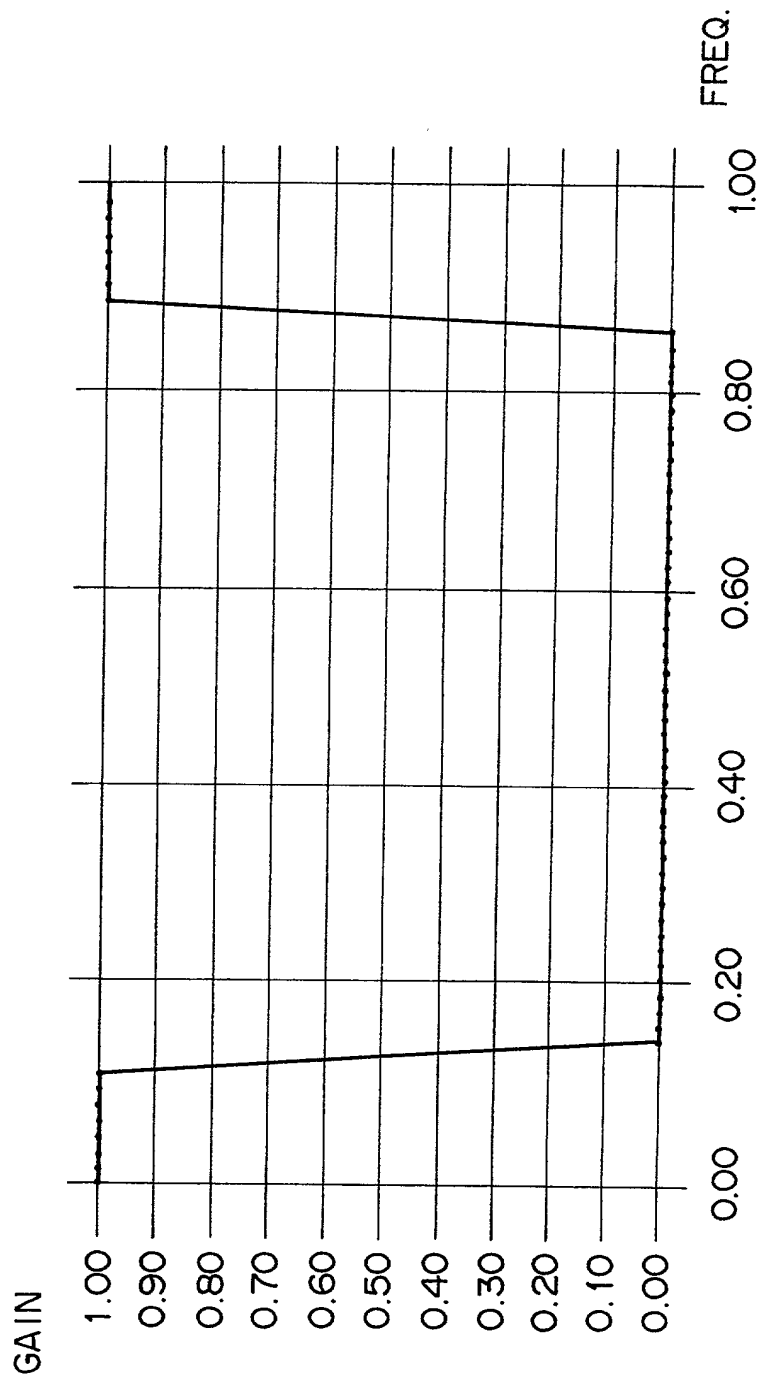
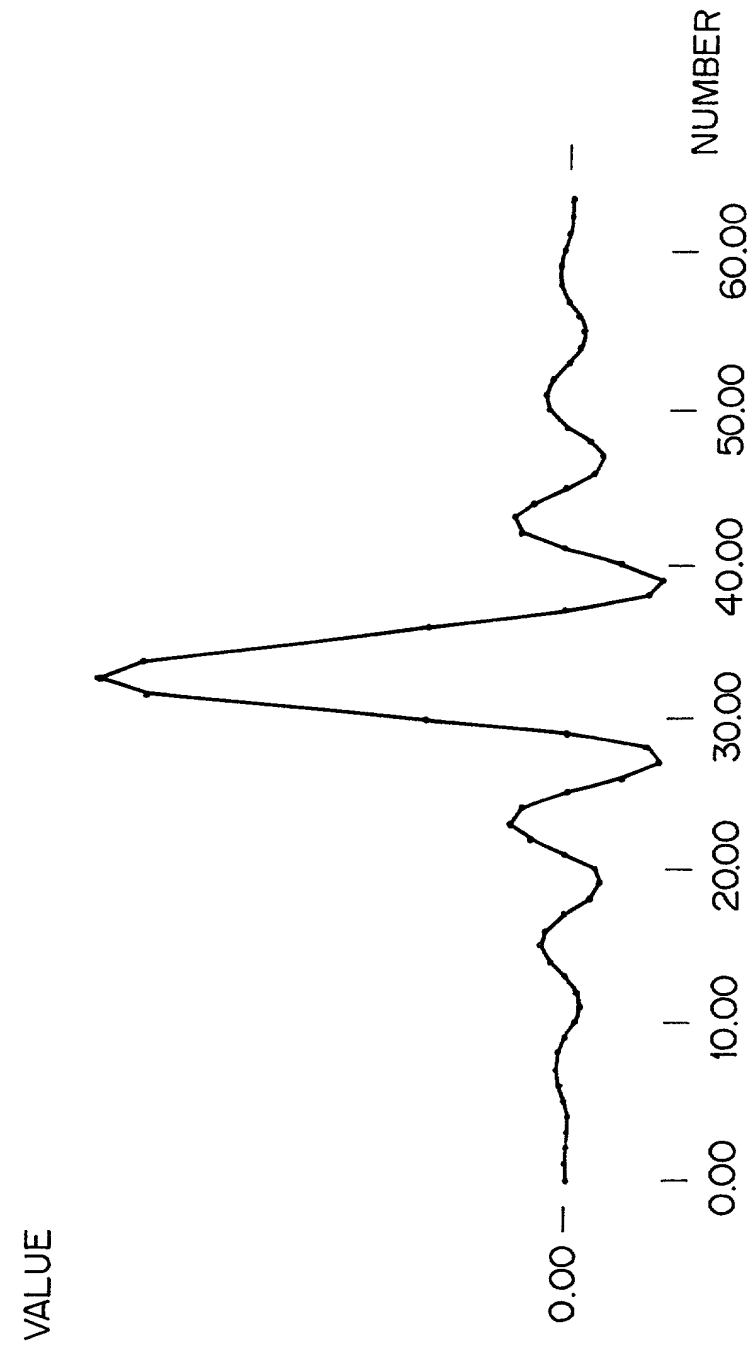


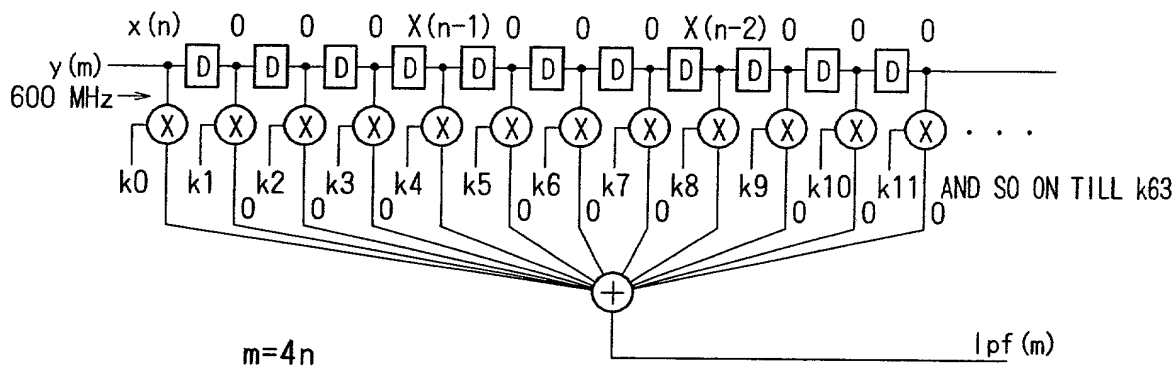
FIG. 9

x4 INTERPOLATION LPF TAP COEFFICIENTS

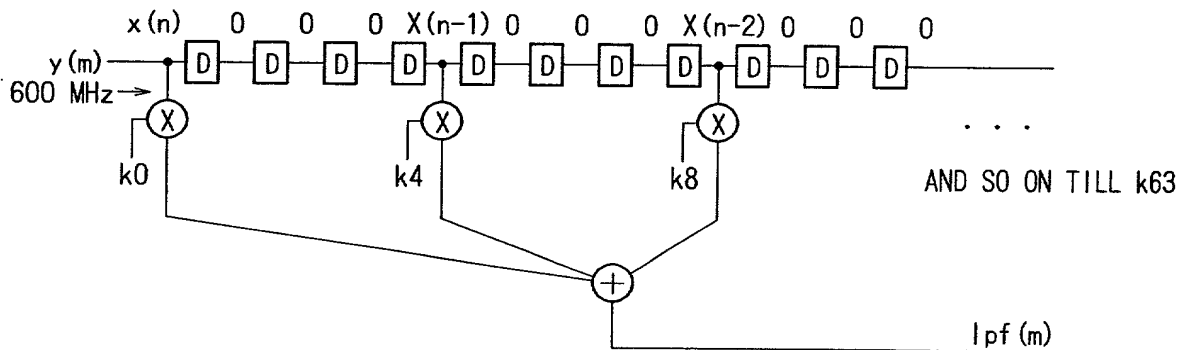




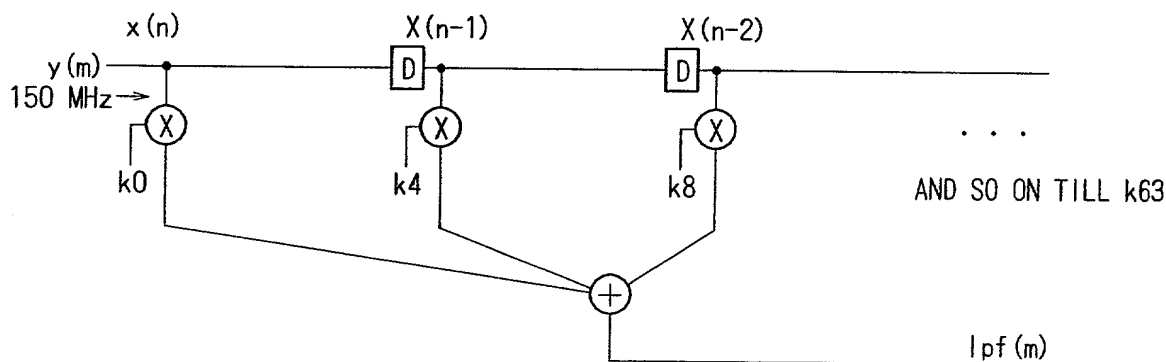
# FIG. 10A



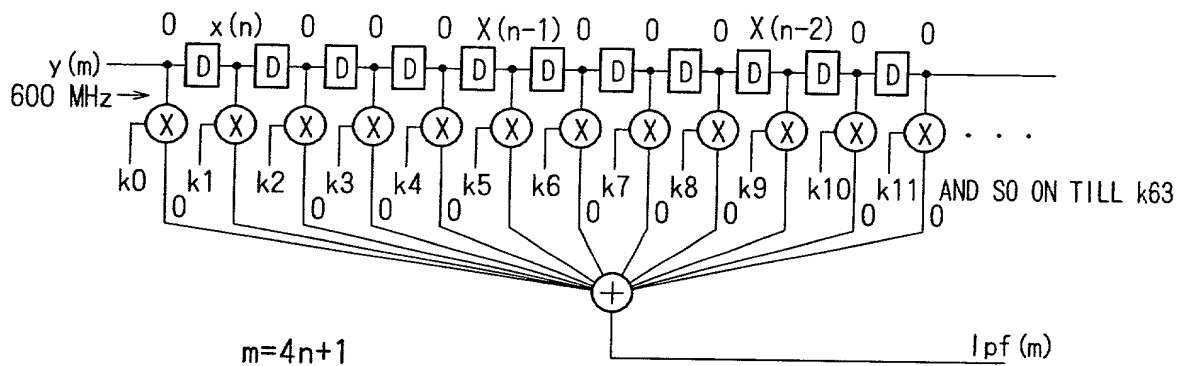
# FIG. 10B



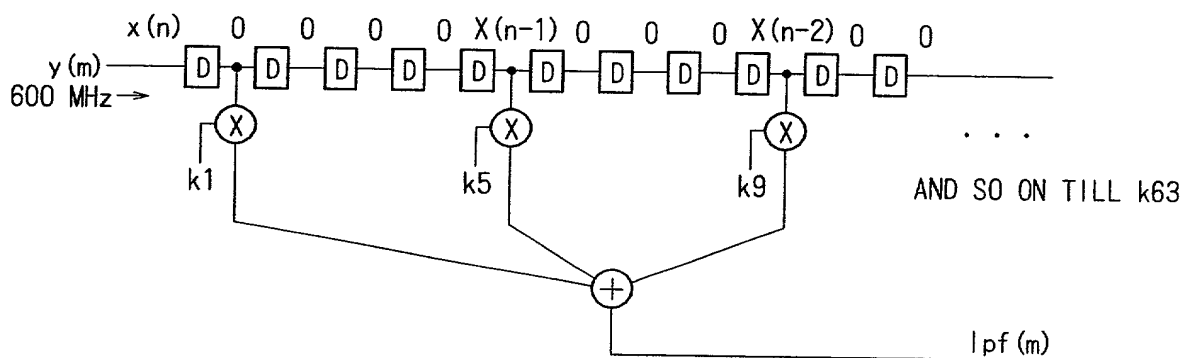
# FIG. 10C



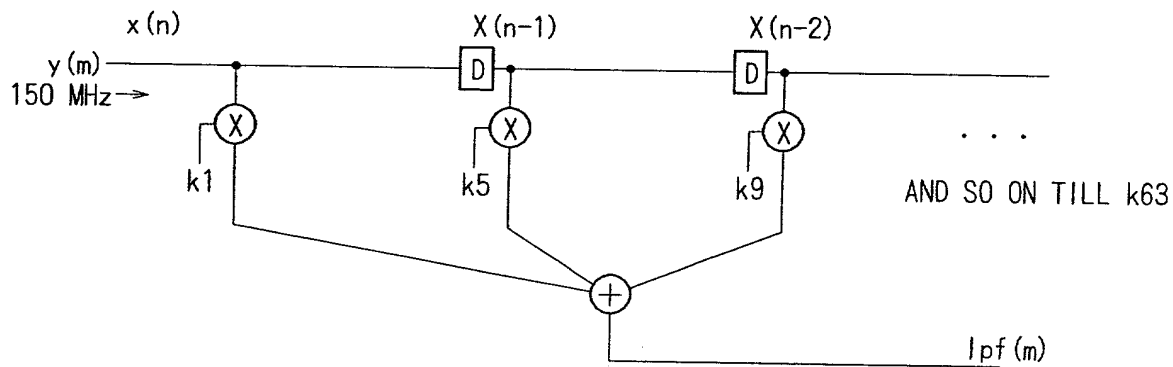
# FIG. 11A



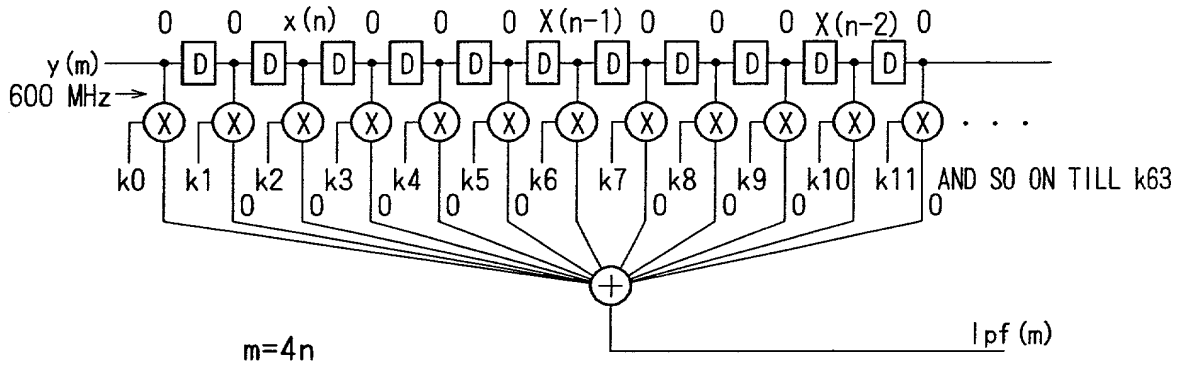
# FIG. 11B



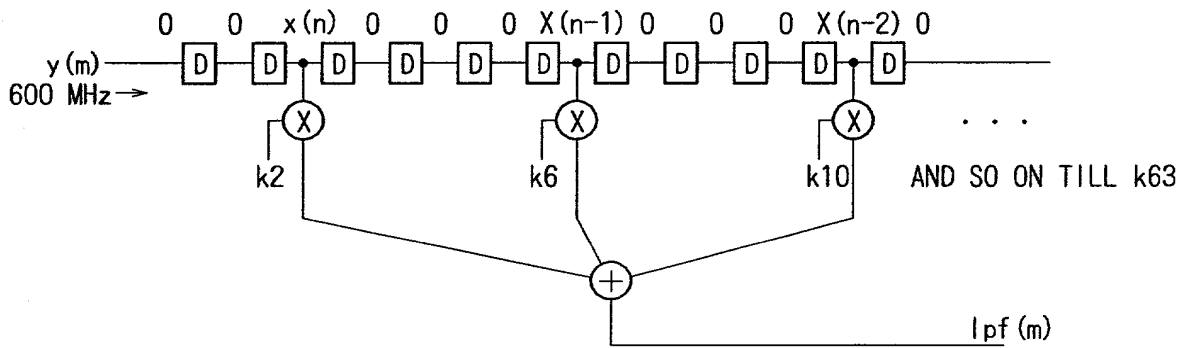
# FIG. 11C



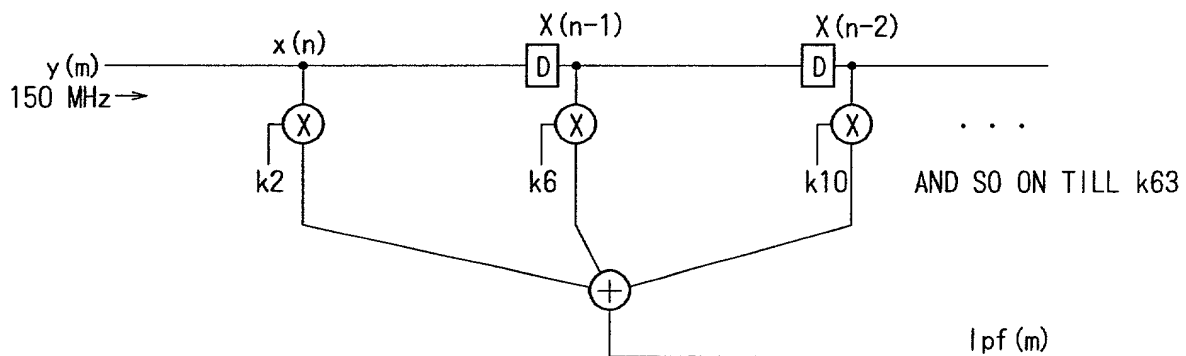
# FIG. 12A



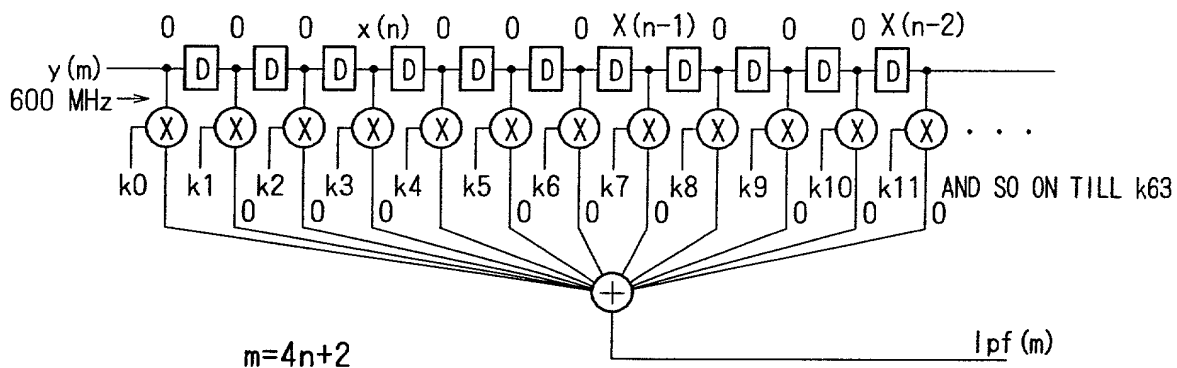
# FIG. 12B



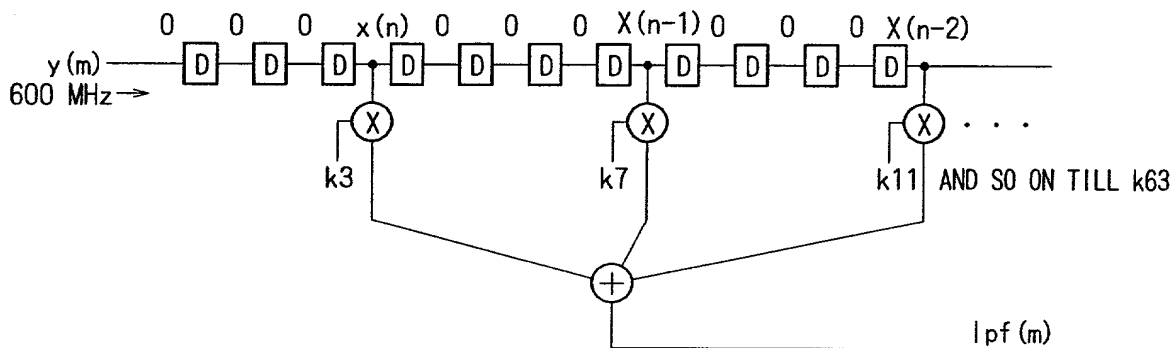
# FIG. 12C



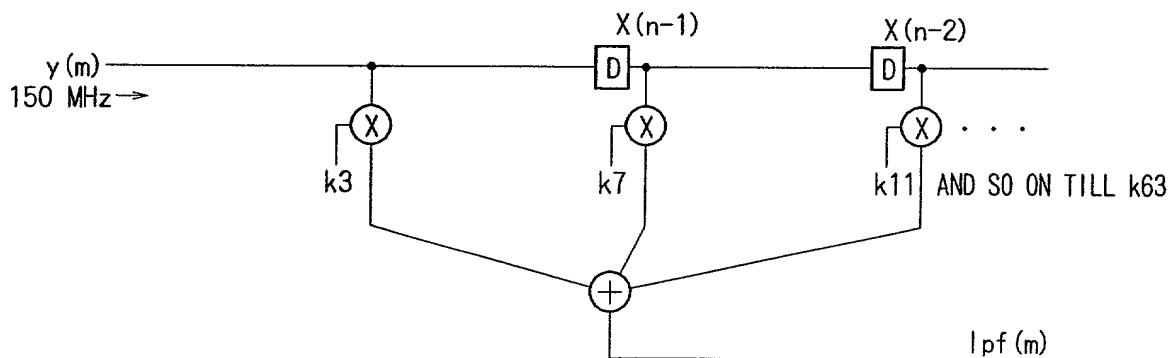
# FIG. 13A



# FIG. 13B



# FIG. 13C



# FIG. 14

$X(n)$  WITH  
RATE OF  
150 MHz

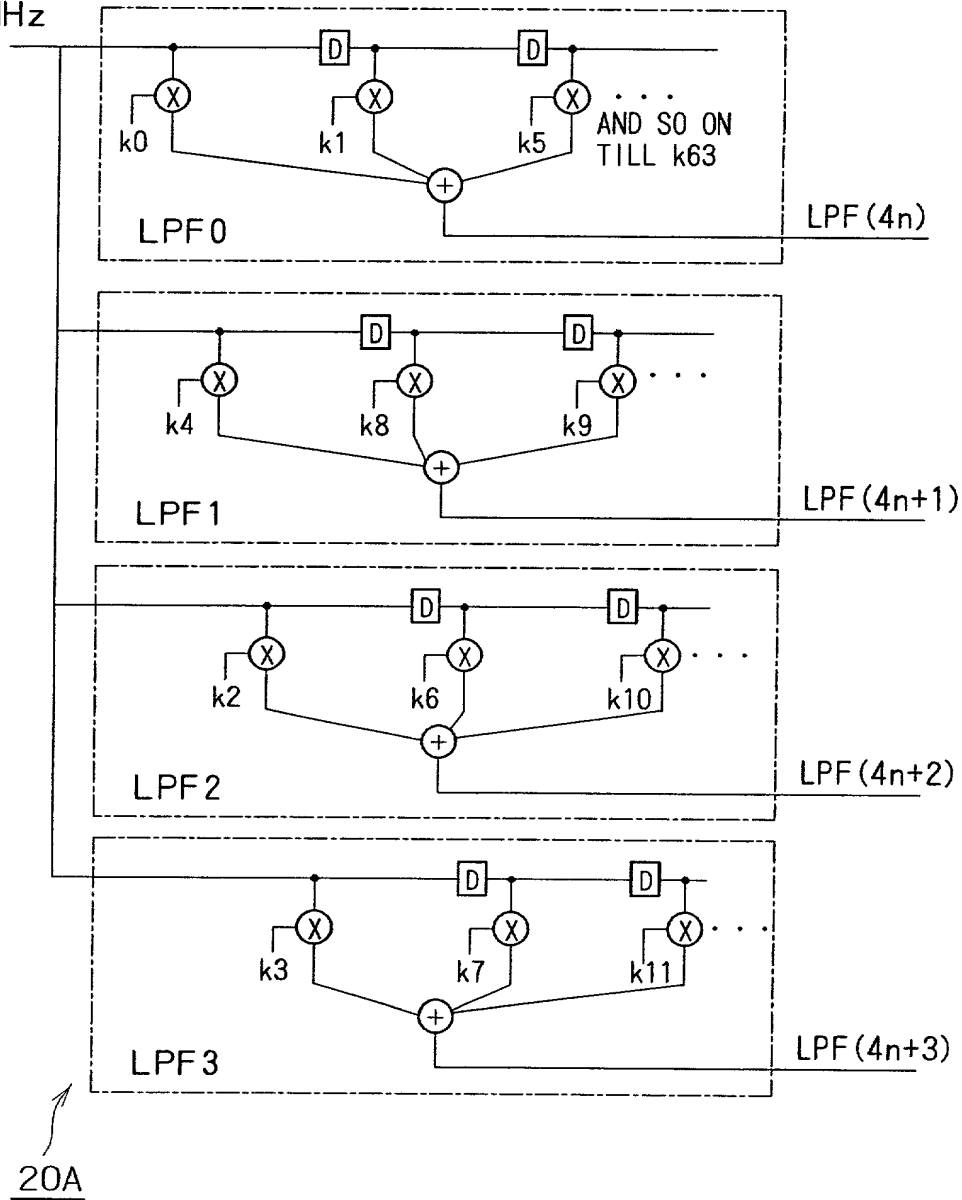
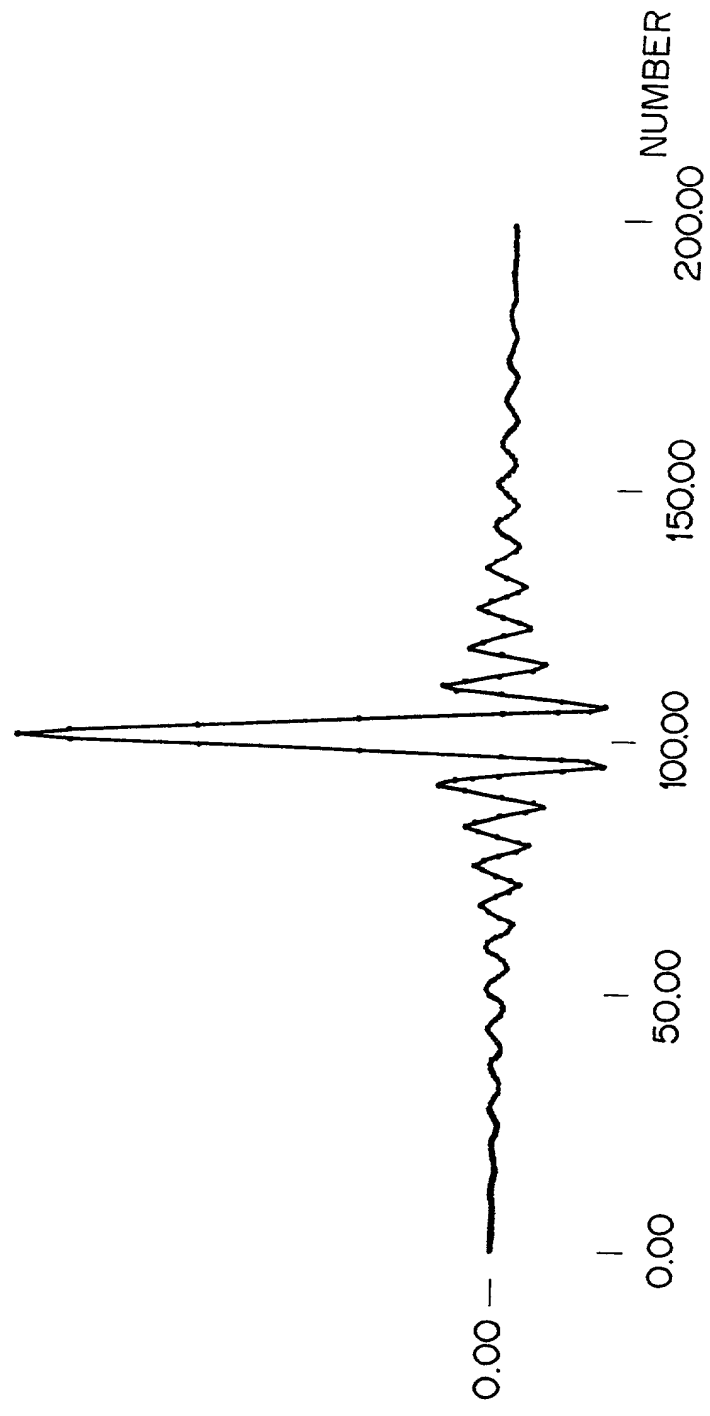


FIG. 14 - 90326660

FIG. 15

TAP COEFFICIENT OF THE x4 INTERPOLATION FILTER

TAP VALUE



# FIG. 16

TAP COEFFICIENT OF THE x16 INTERPOLATION FILTER

TAP VALUE

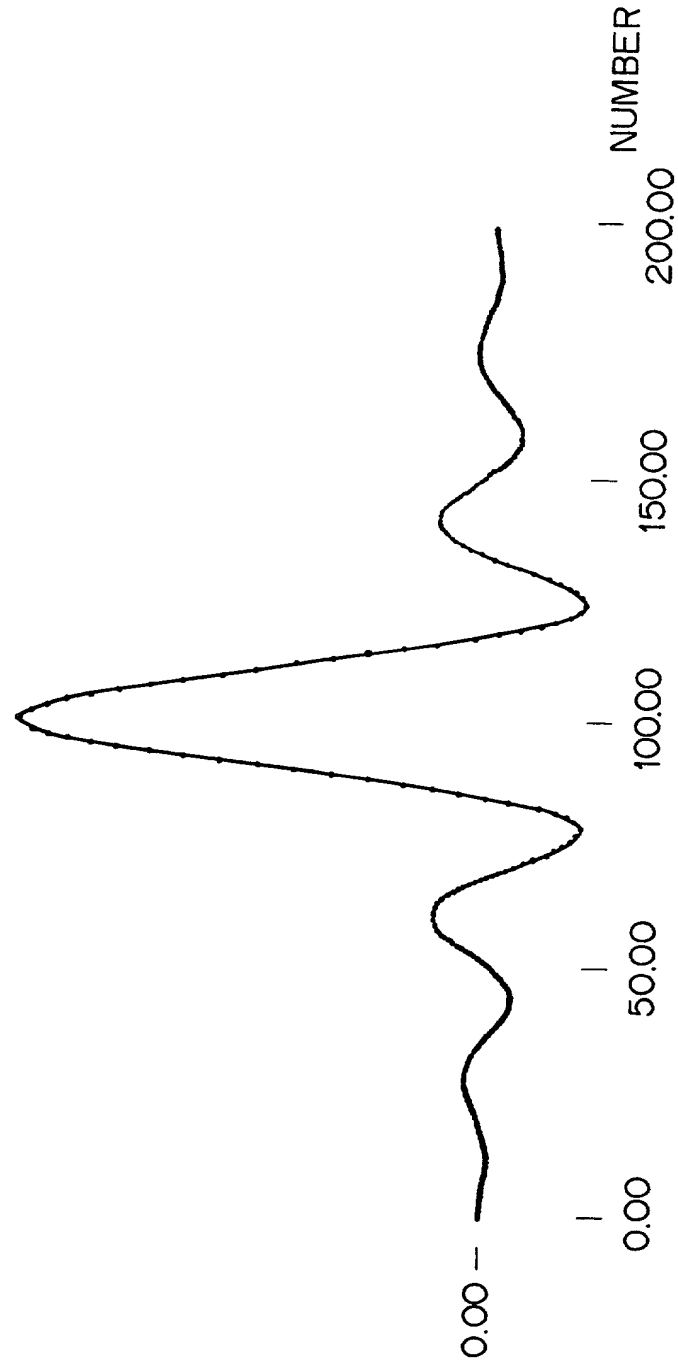
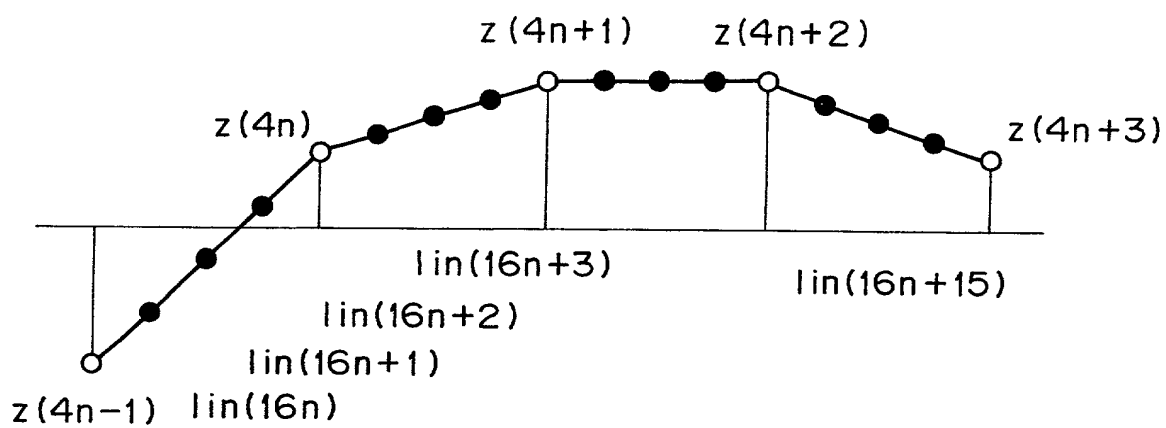


FIG. 17





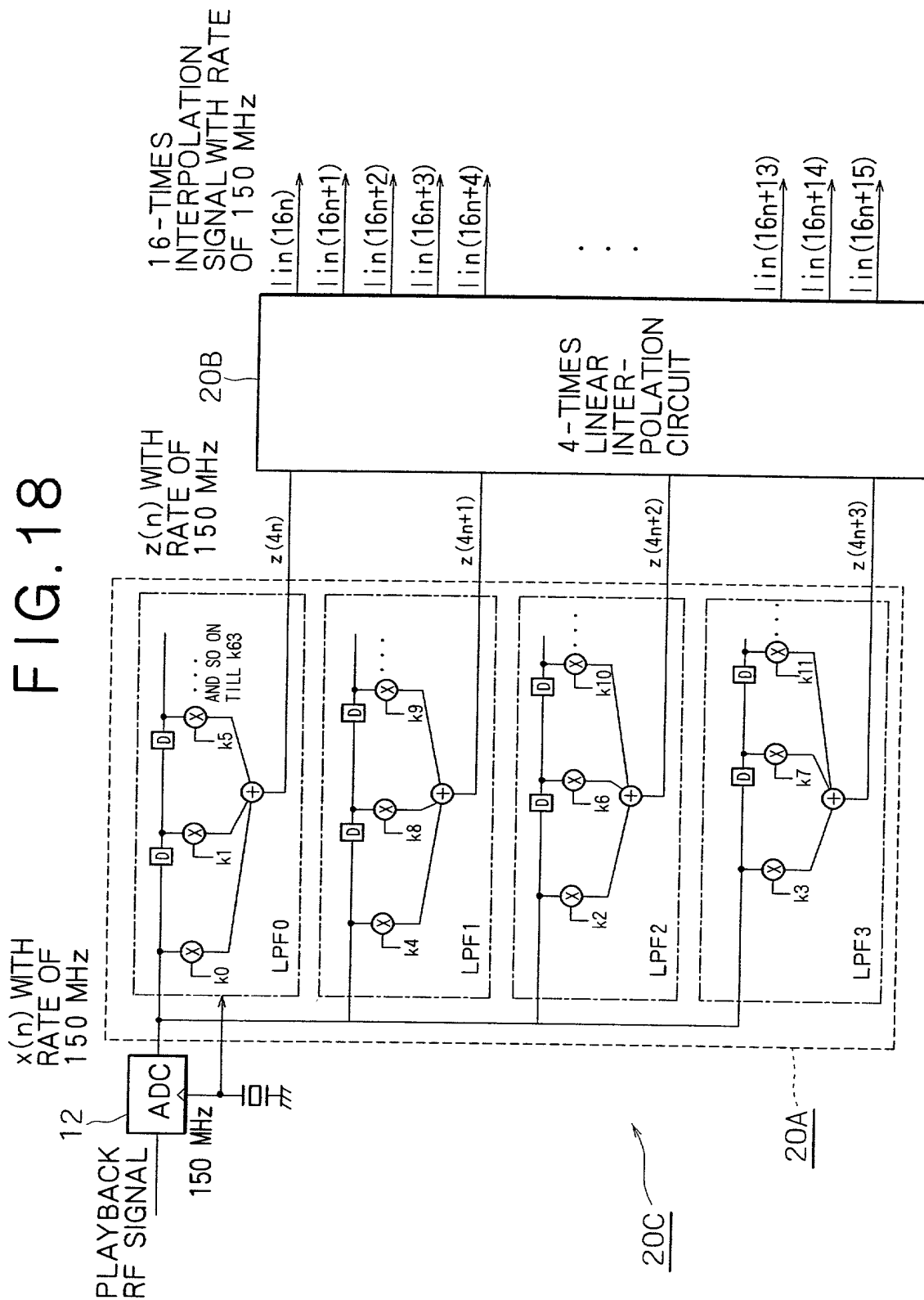
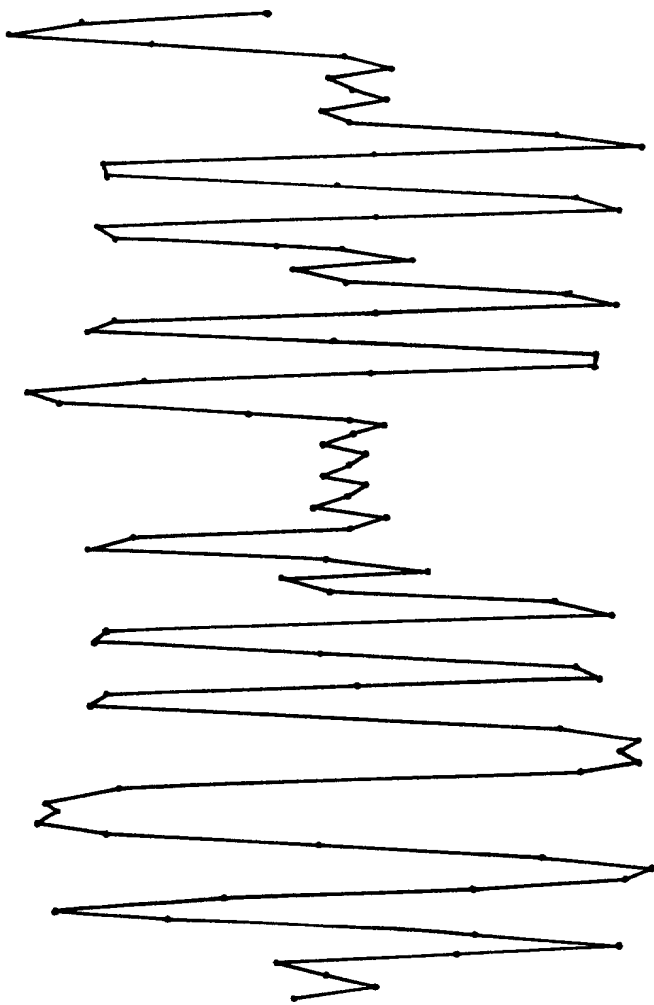


FIG. 19

x1.5 OVER SAMPLED DATA

VOLTAGE



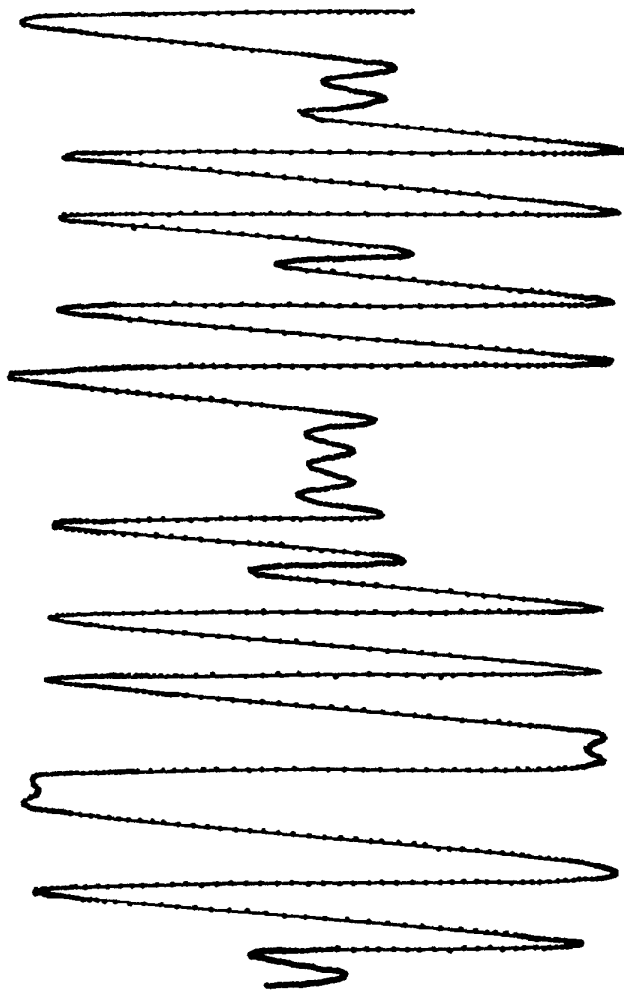
SAMPLING NUMBER

FORM 9032660

# FIG. 20

x16 INTERPOLATED DATA

VOLTAGE



SAMPLING NUMBER

FIG. 21

EYE PATTERN OF THE x16 INTERPOLATED DATA

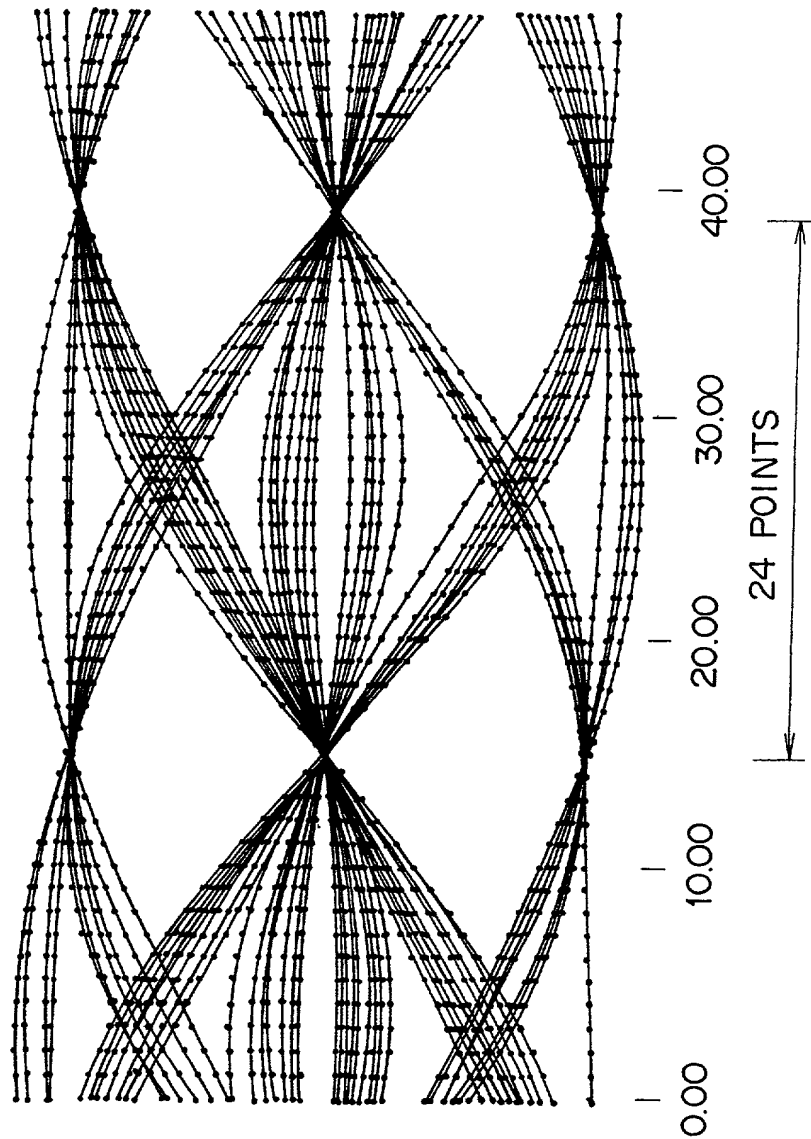
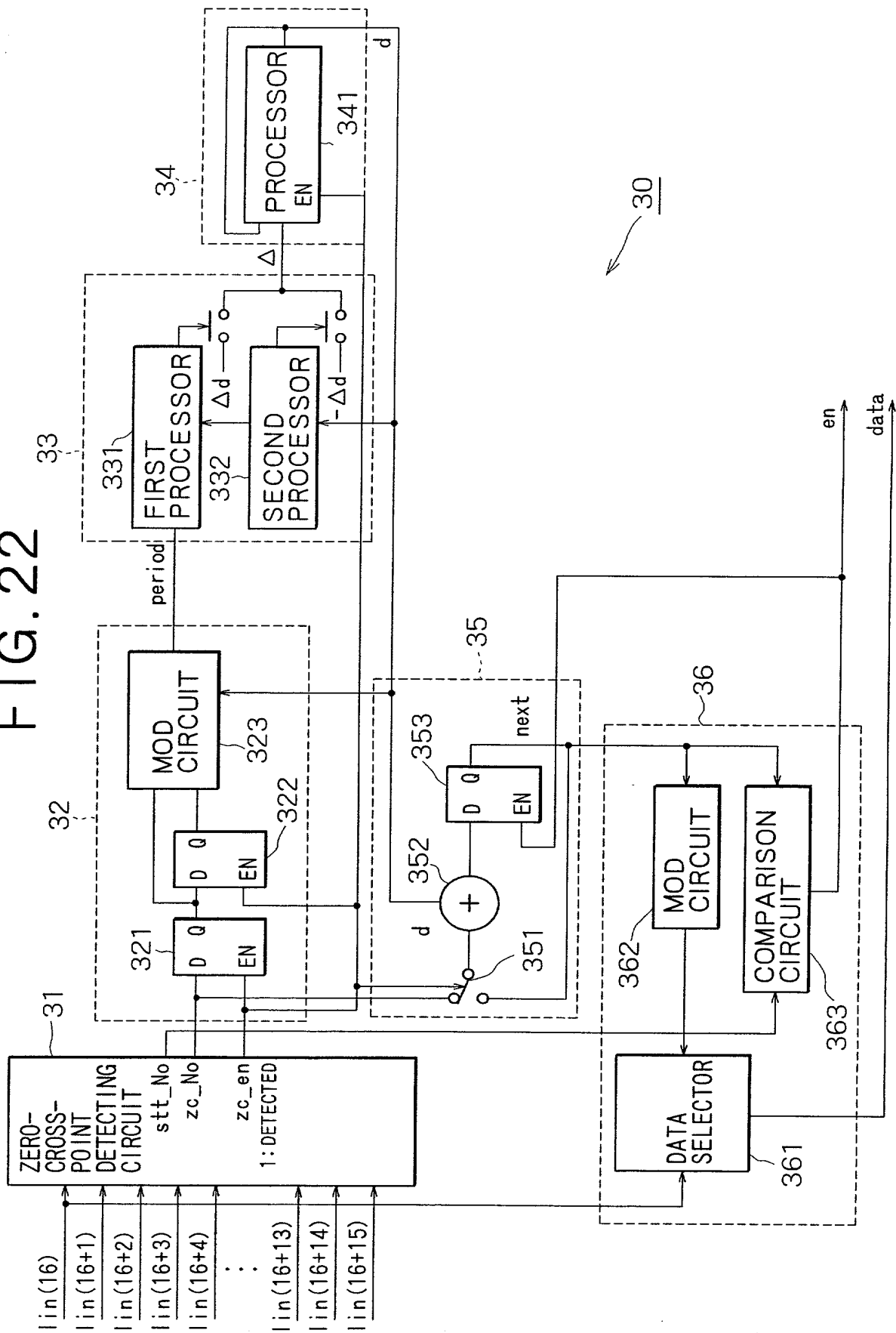
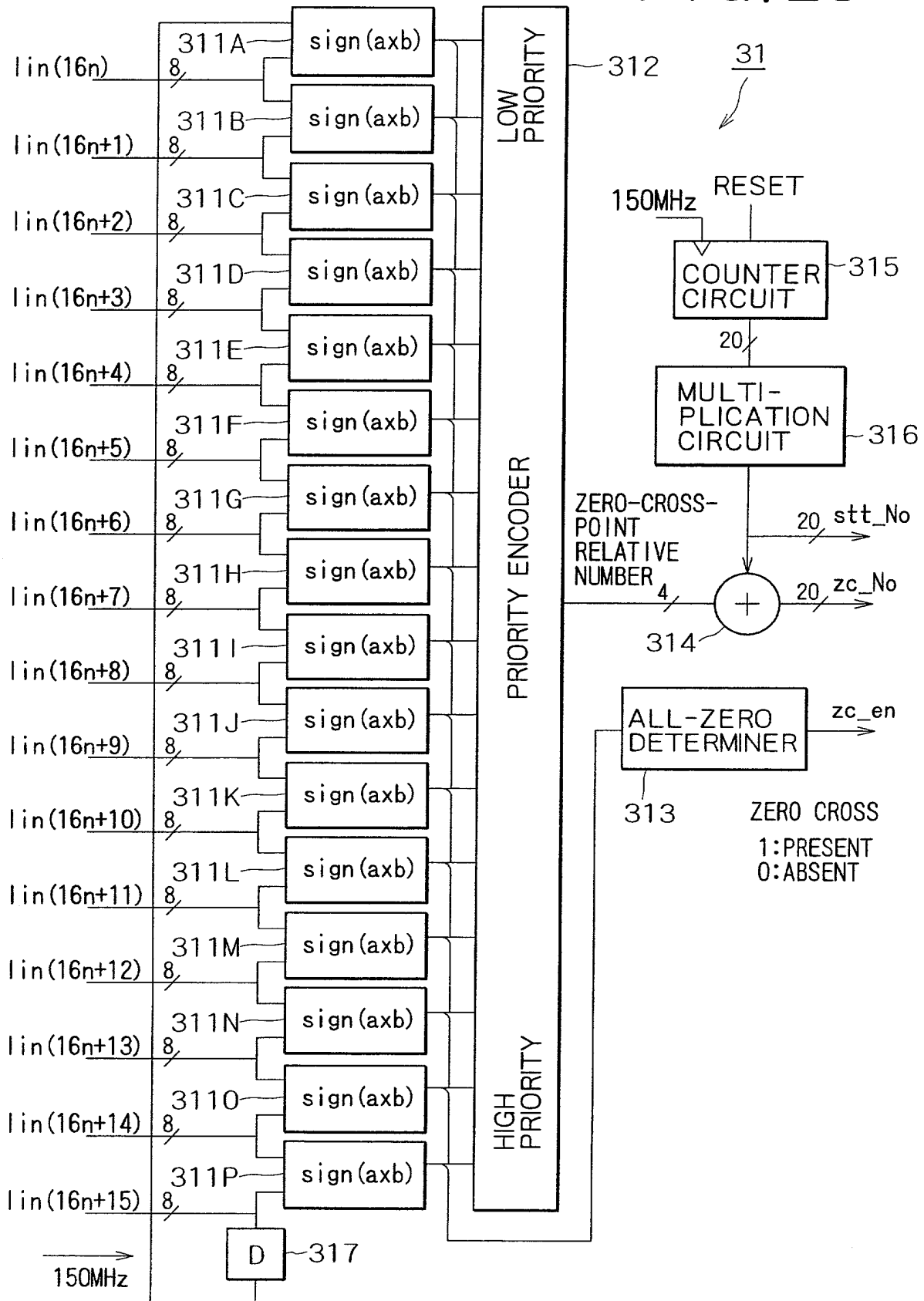


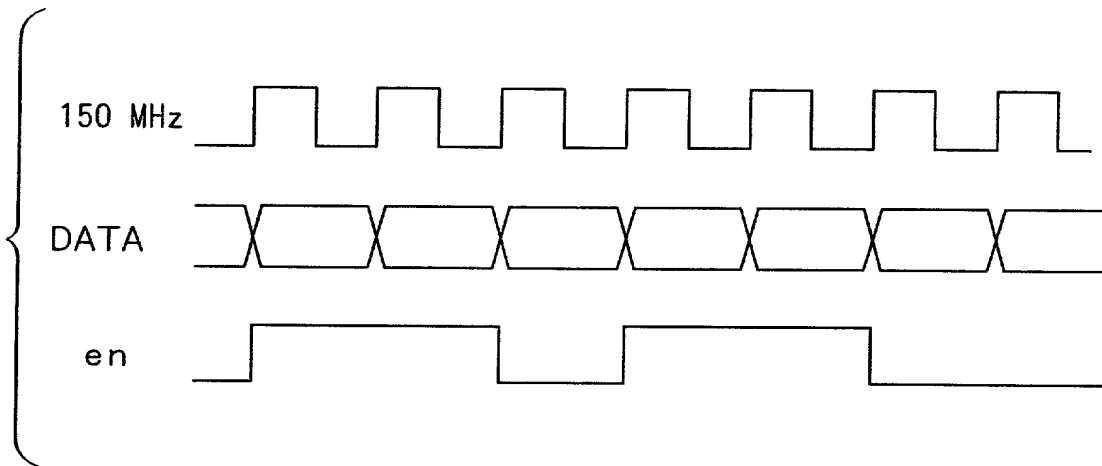
FIG. 22



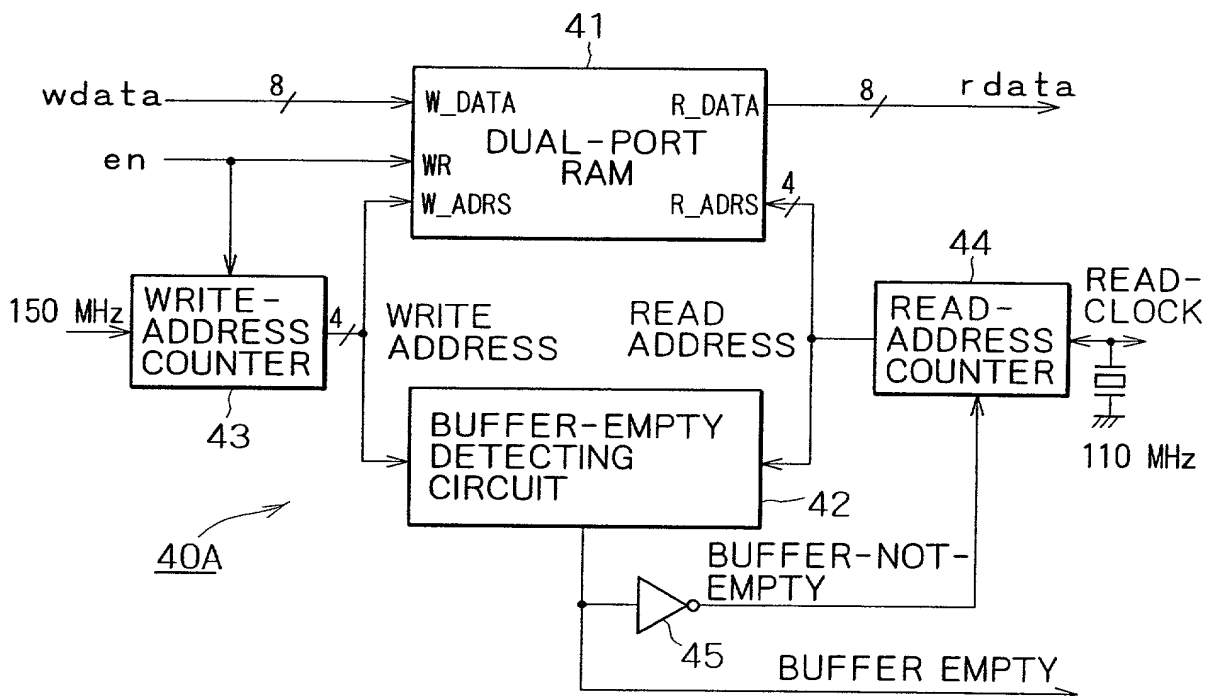
# FIG. 23



# FIG. 24



# FIG. 25



# FIG. 26

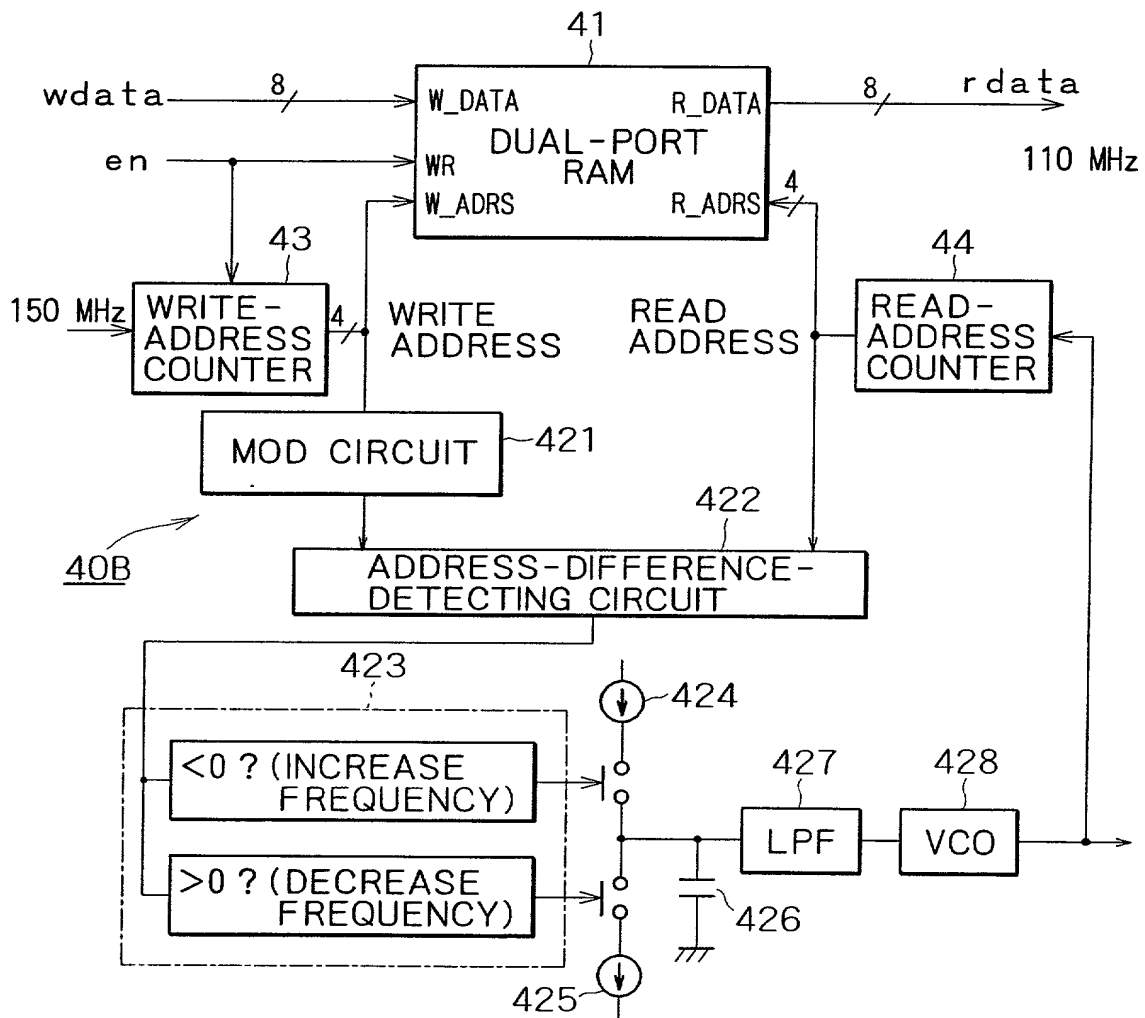
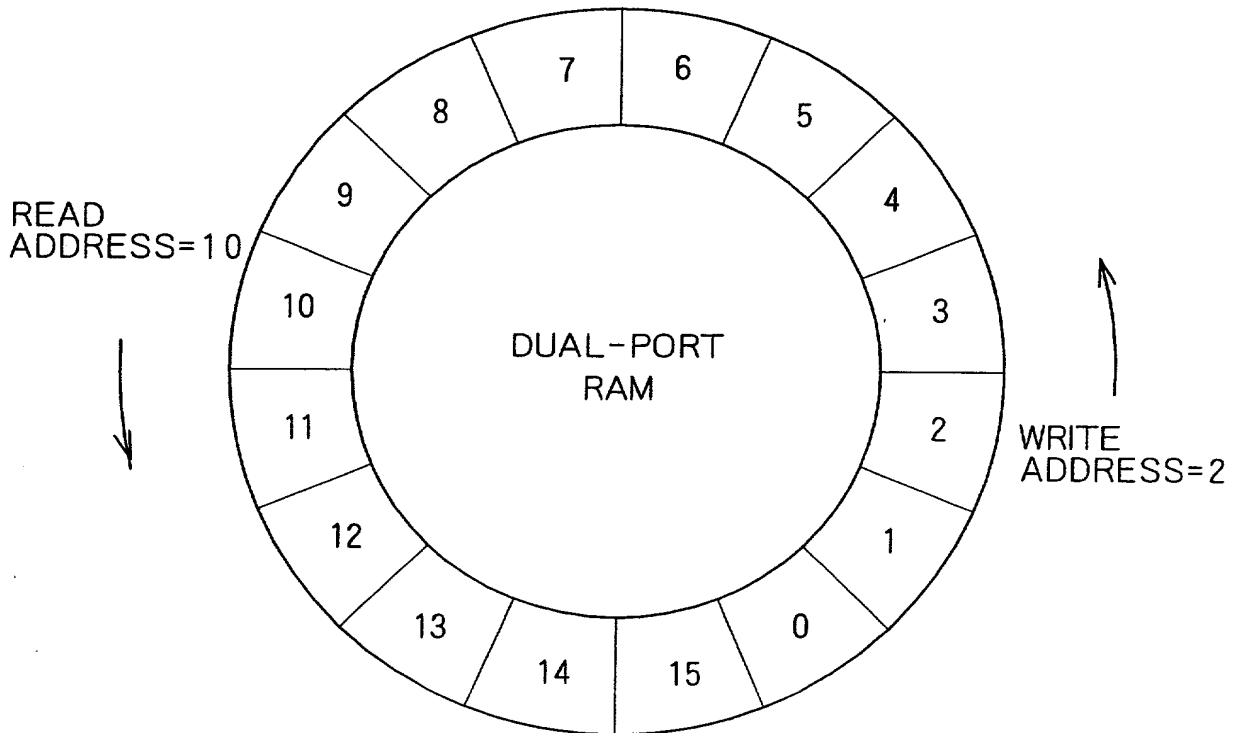




FIG. 27



0992606-11401

FIG. 28

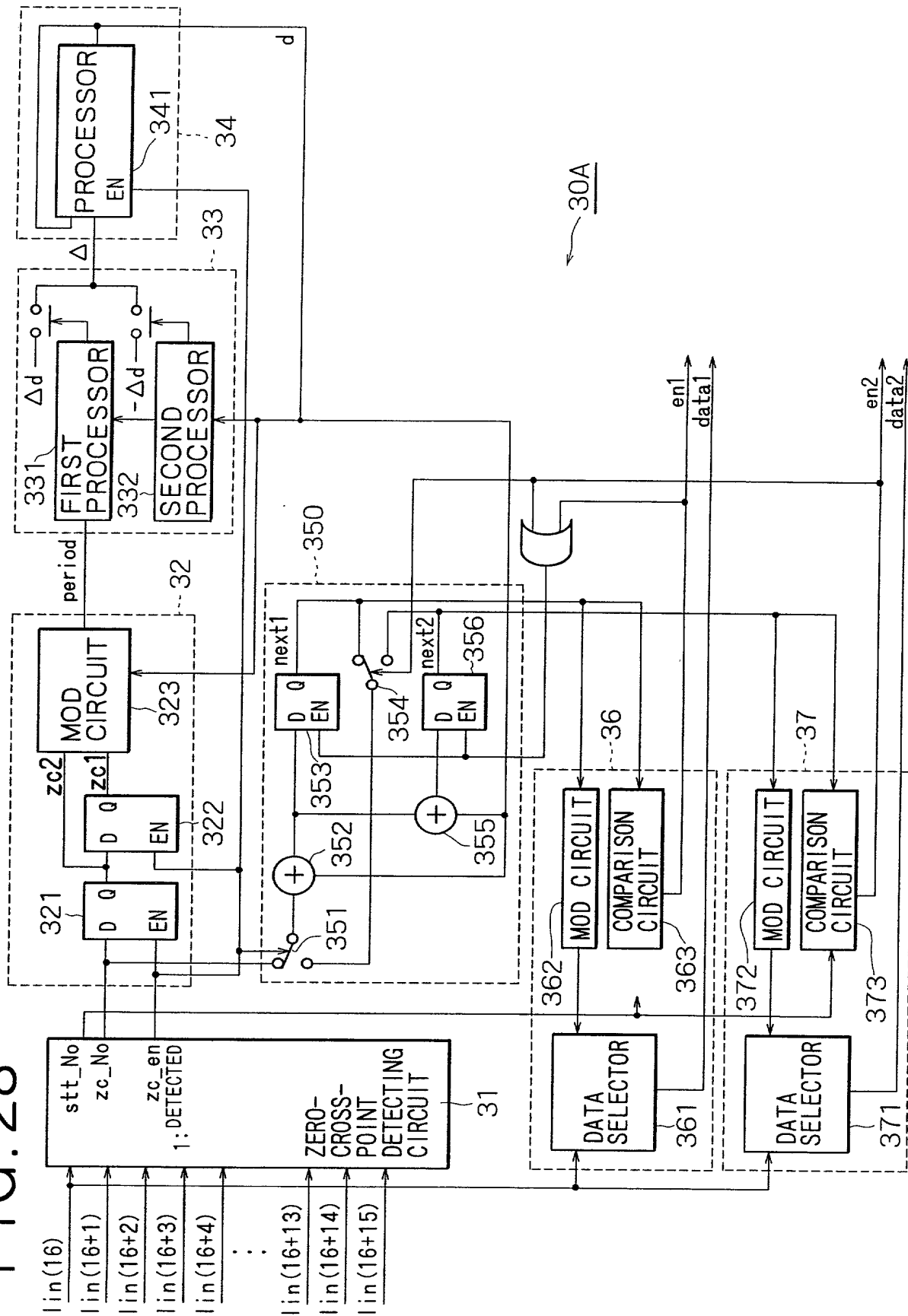


FIG. 29

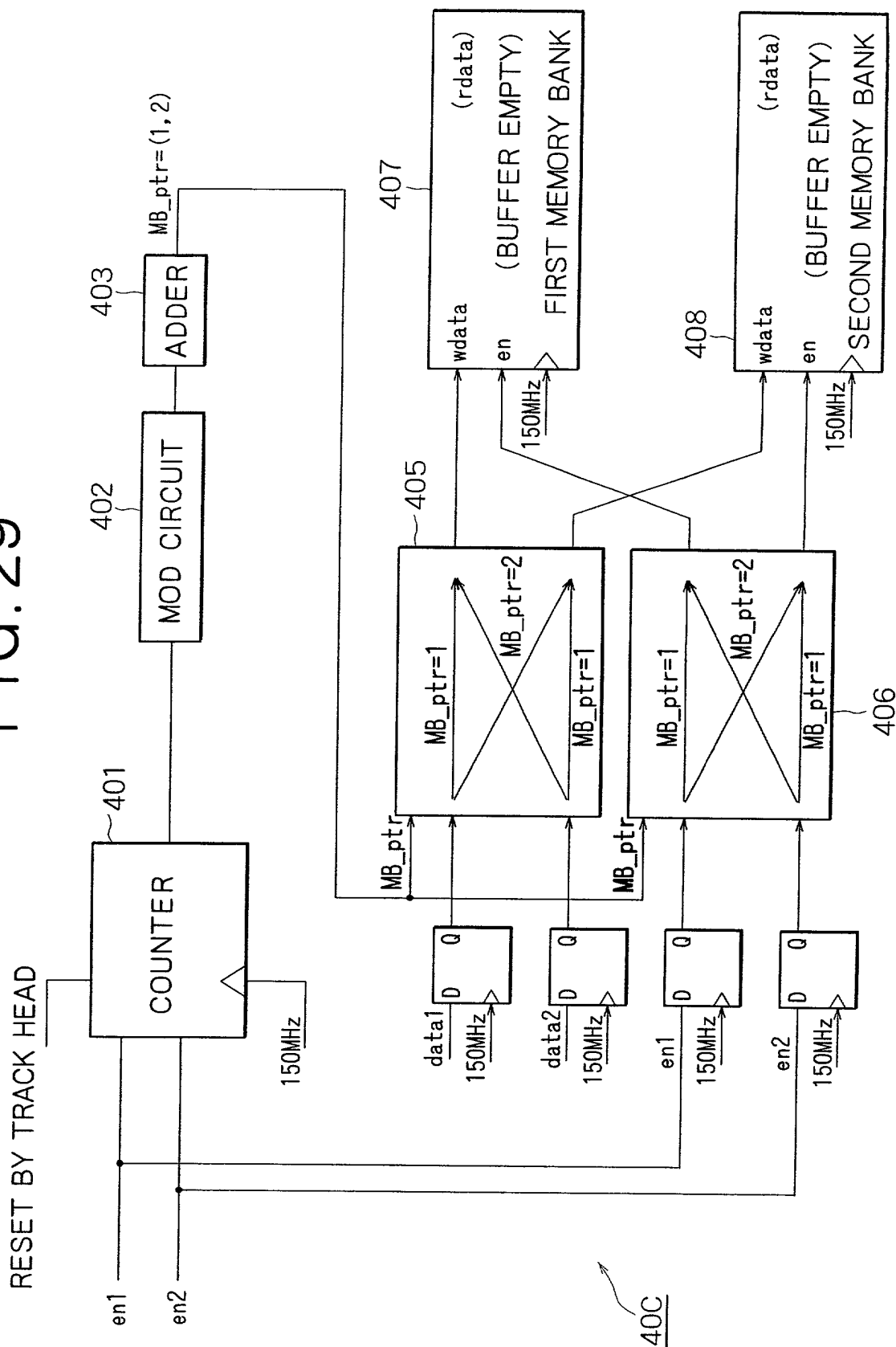


FIG. 30A

:	:
:	:
:	:
ADDRESS 5	data(10)
ADDRESS 4	data(8)
ADDRESS 3	data(6)
ADDRESS 2	data(4)
ADDRESS 1	data(2)
ADDRESS 0	data(0)

FIRST MEMORY BANK

FIG. 30B

:	:
:	:
:	:
ADDRESS 5	data(11)
ADDRESS 4	data(9)
ADDRESS 3	data(7)
ADDRESS 2	data(5)
ADDRESS 1	data(3)
ADDRESS 0	data(1)

SECOND MEMORY BANK

FIG. 31

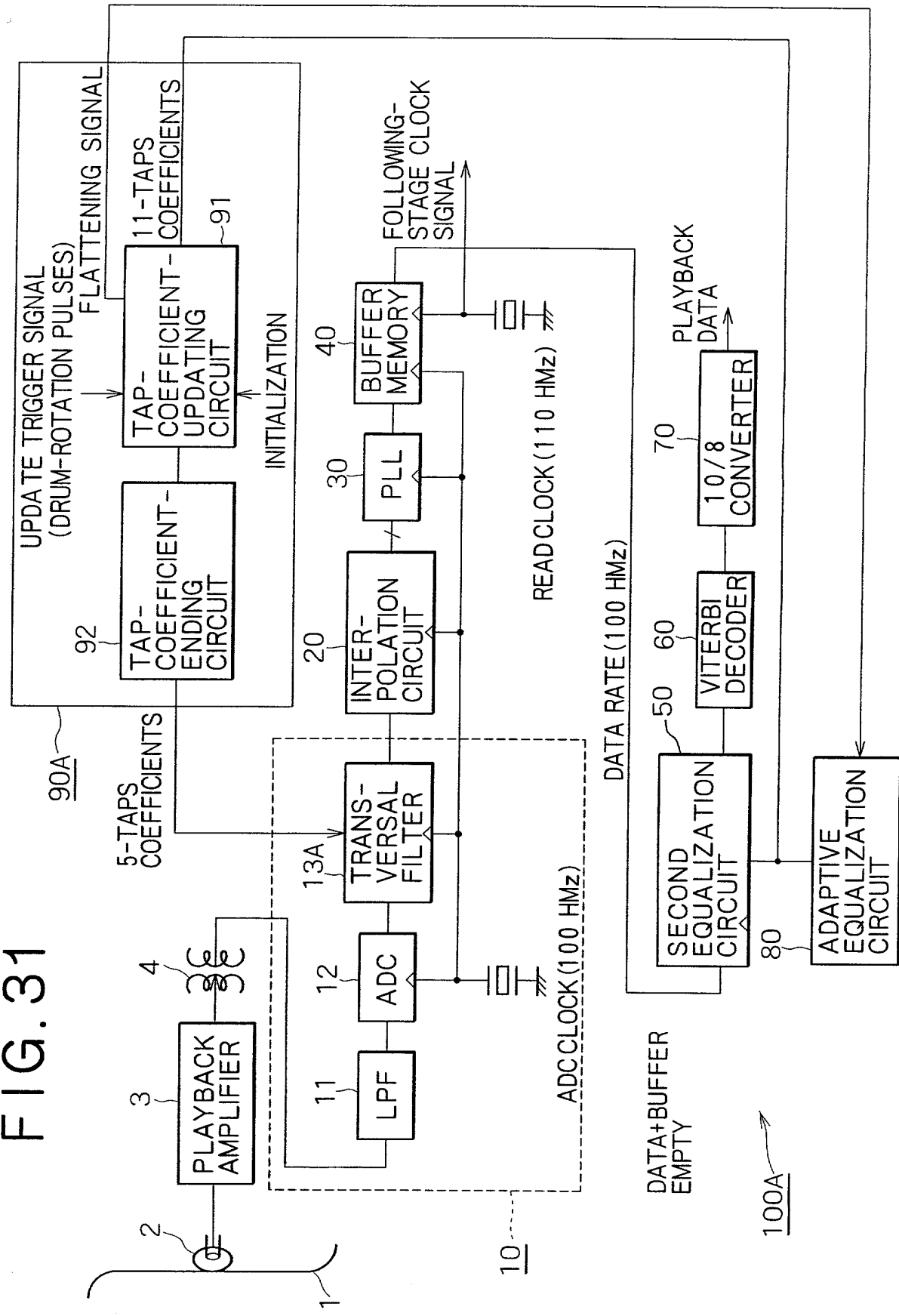


FIG. 32

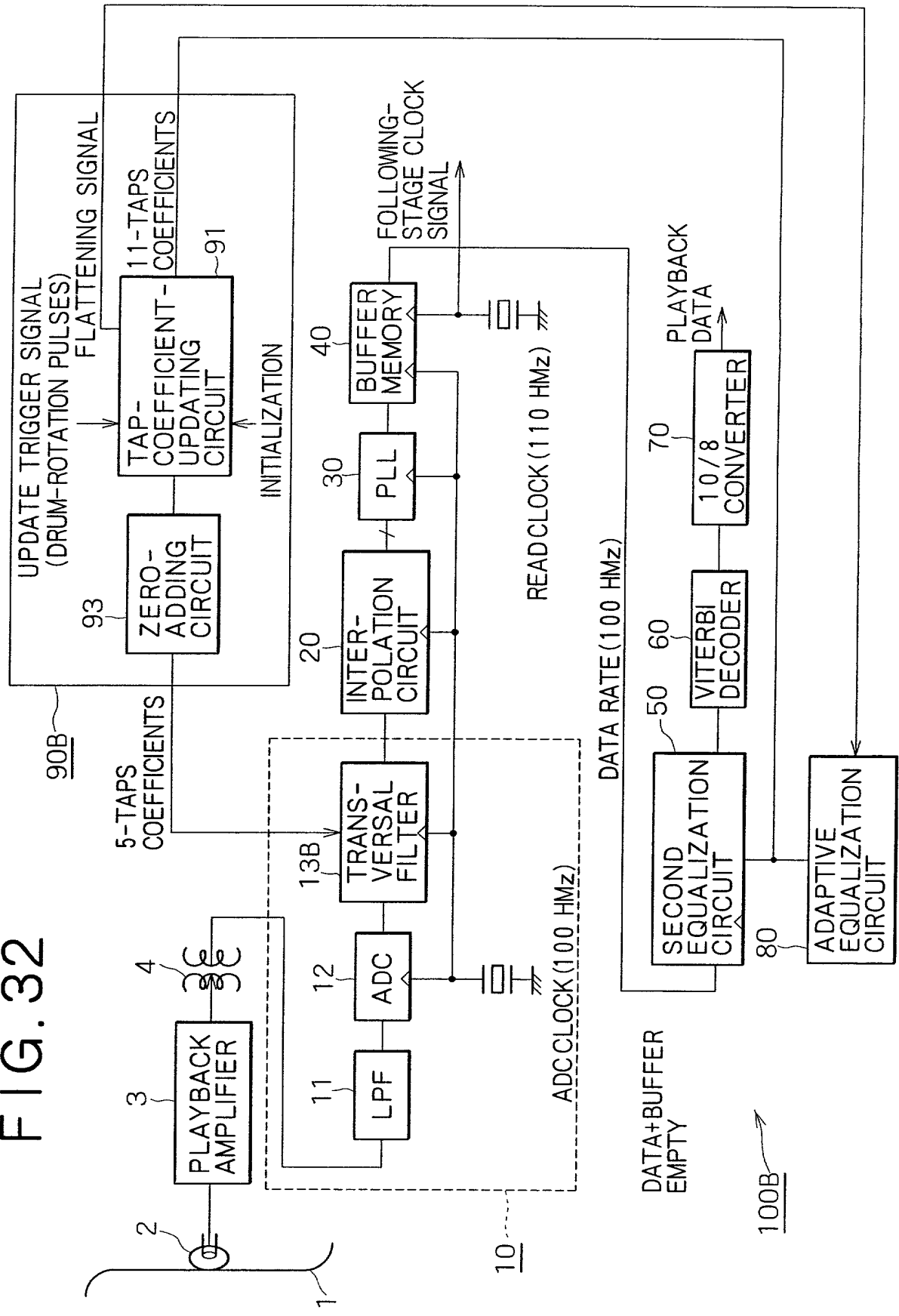


FIG. 33

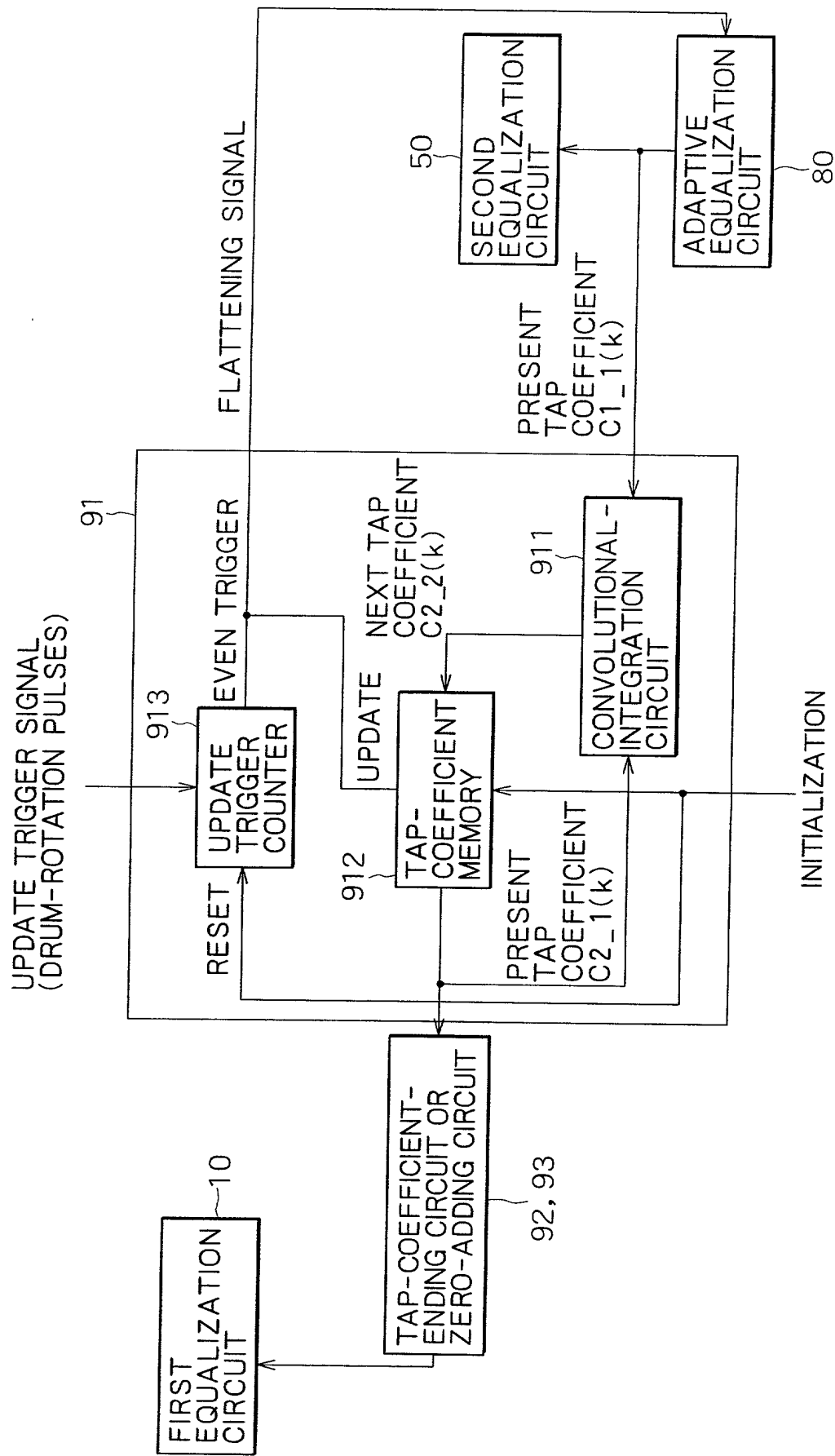
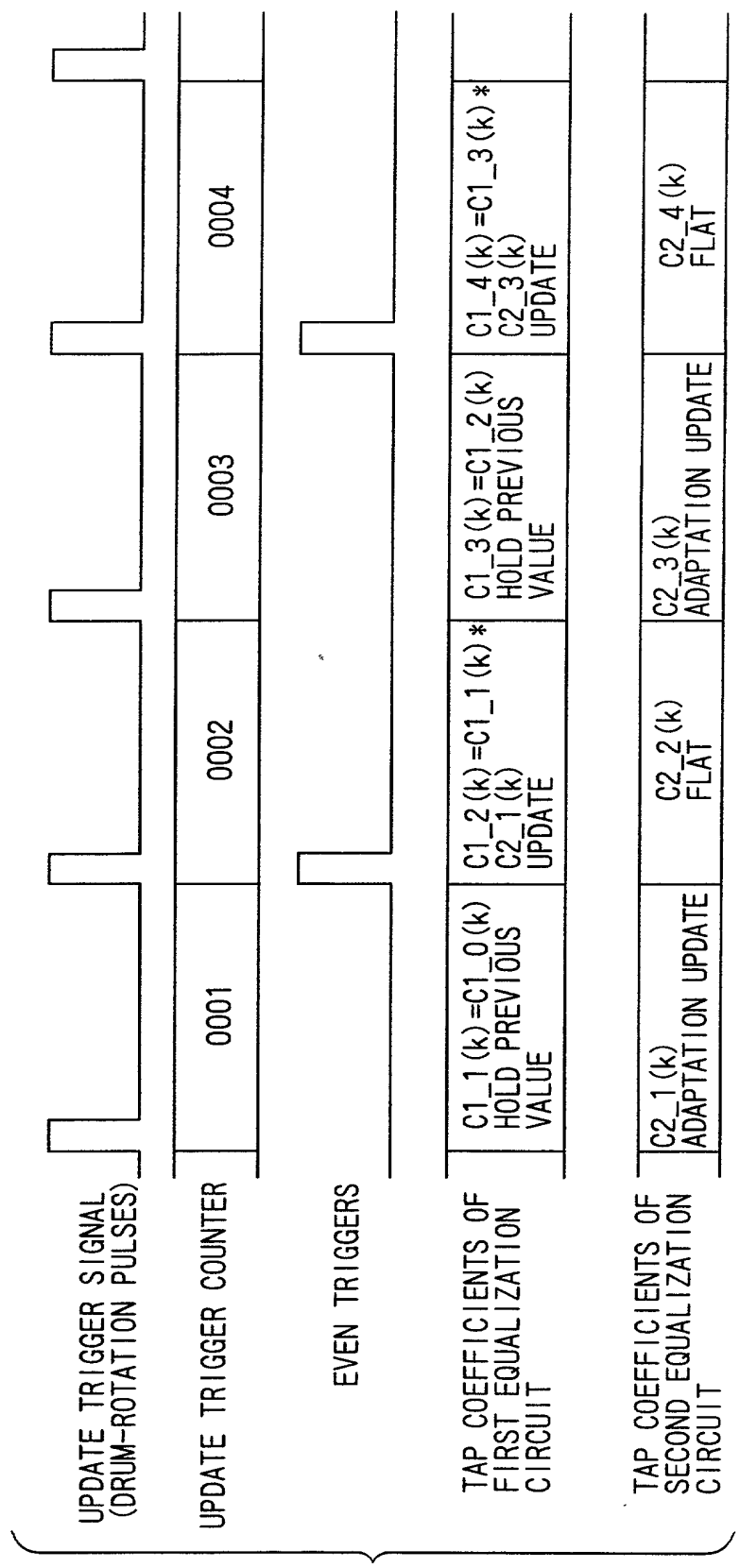
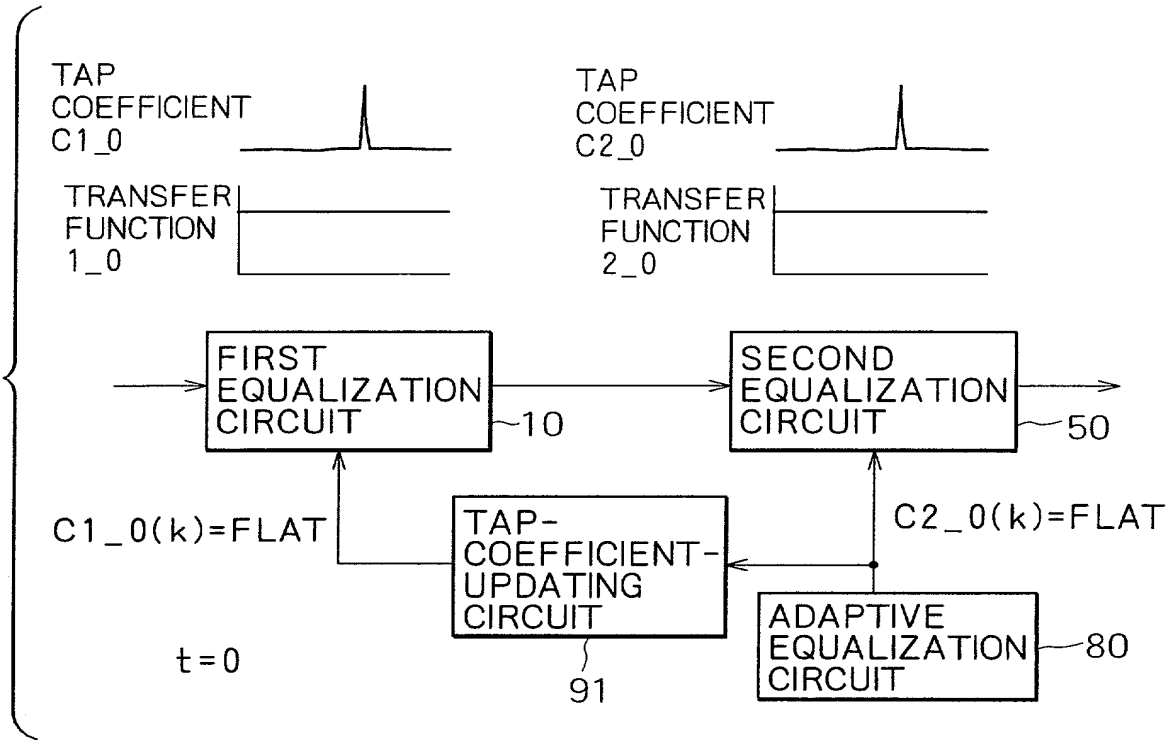


FIG. 34

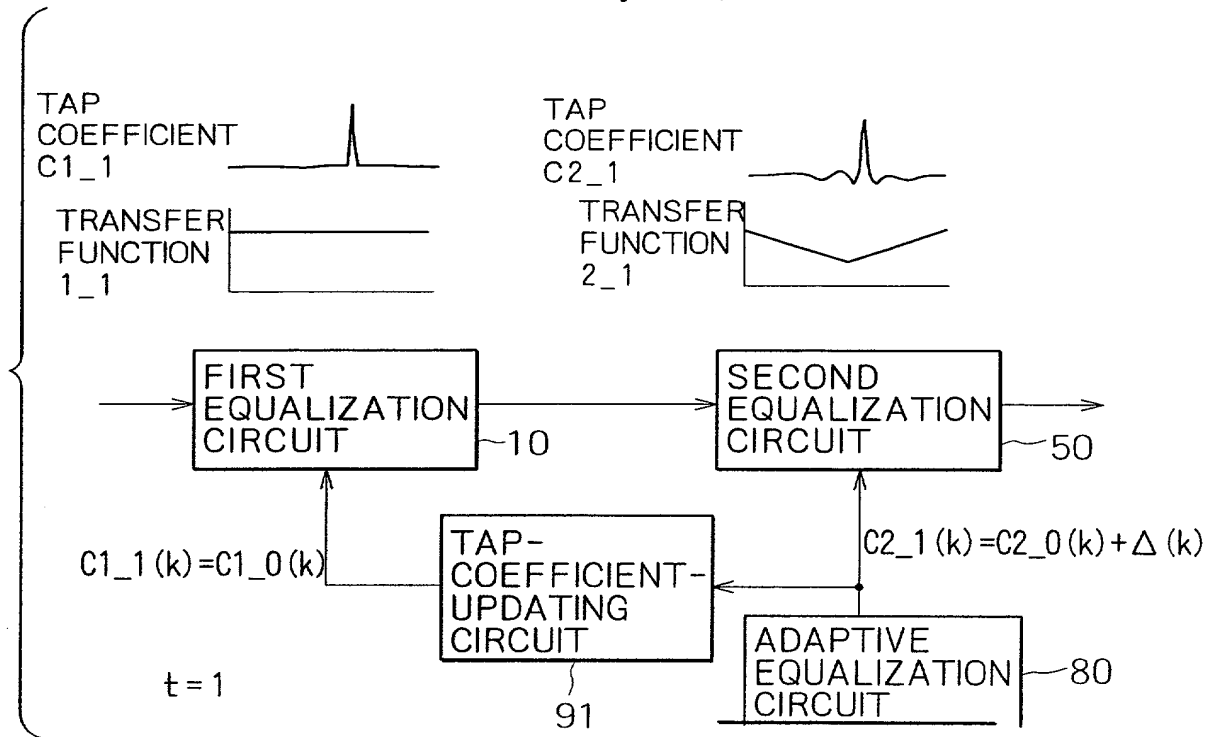




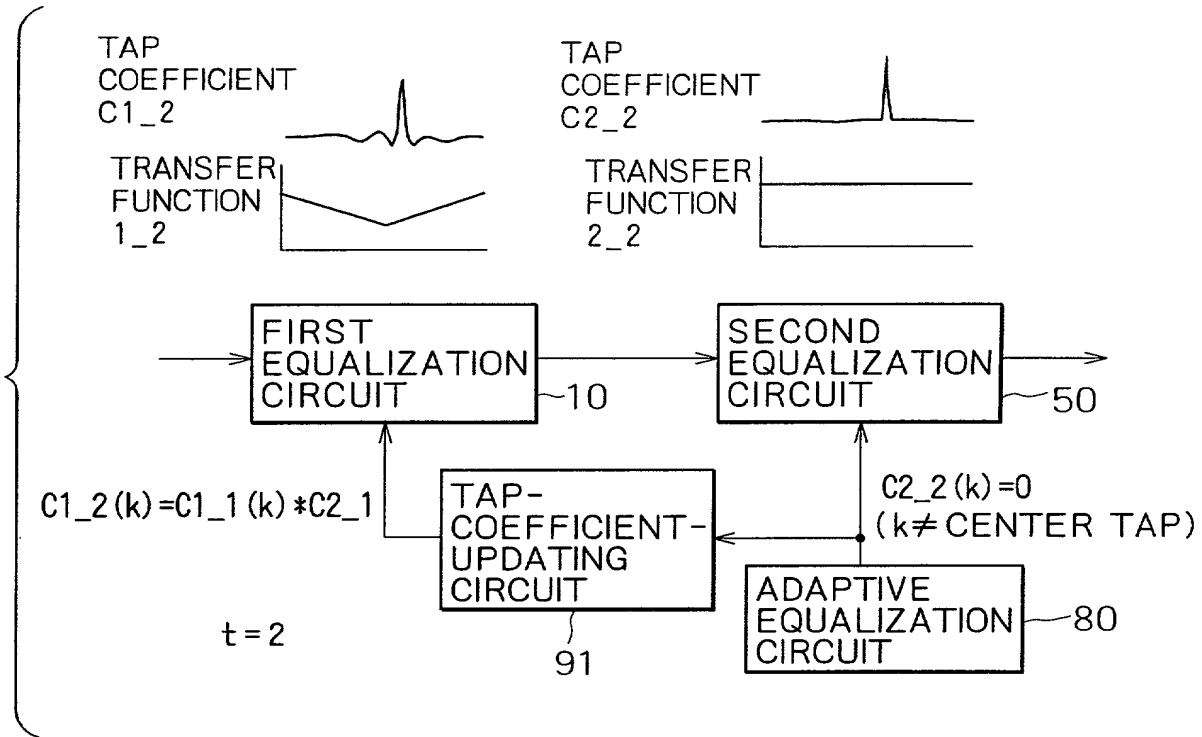
# FIG. 35



# FIG. 36



# FIG. 37



# FIG. 38

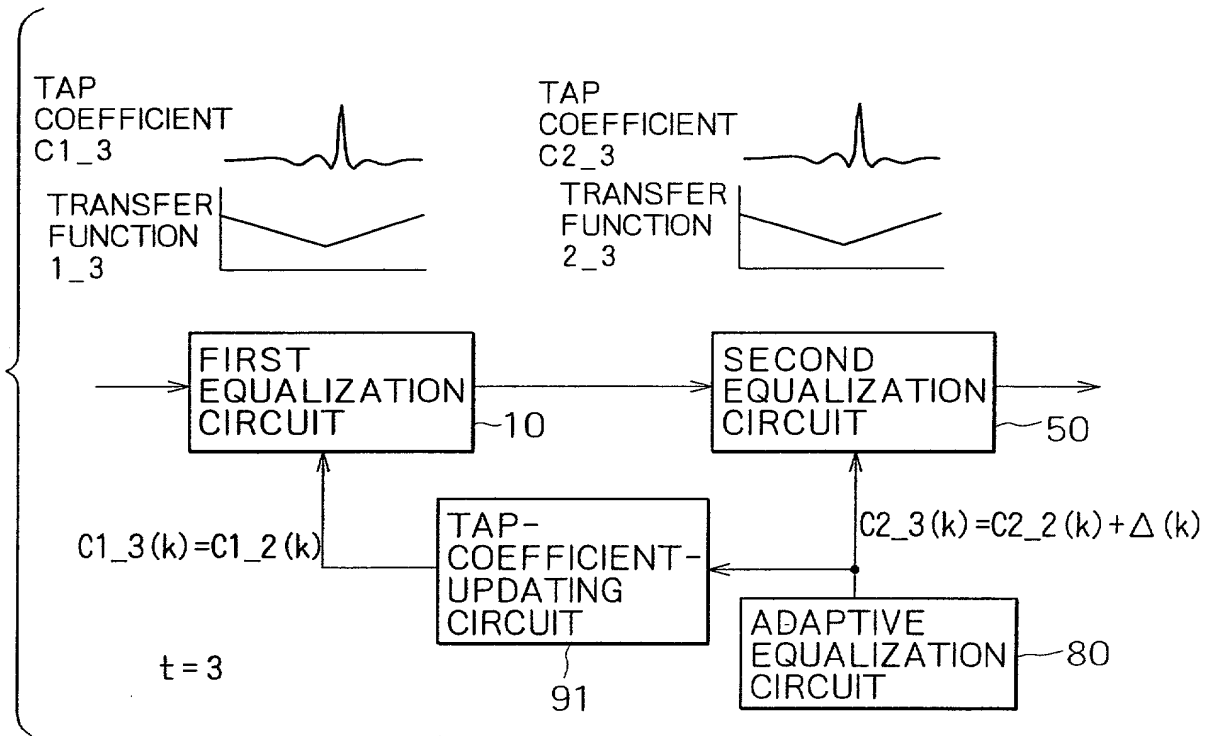


FIG. 39

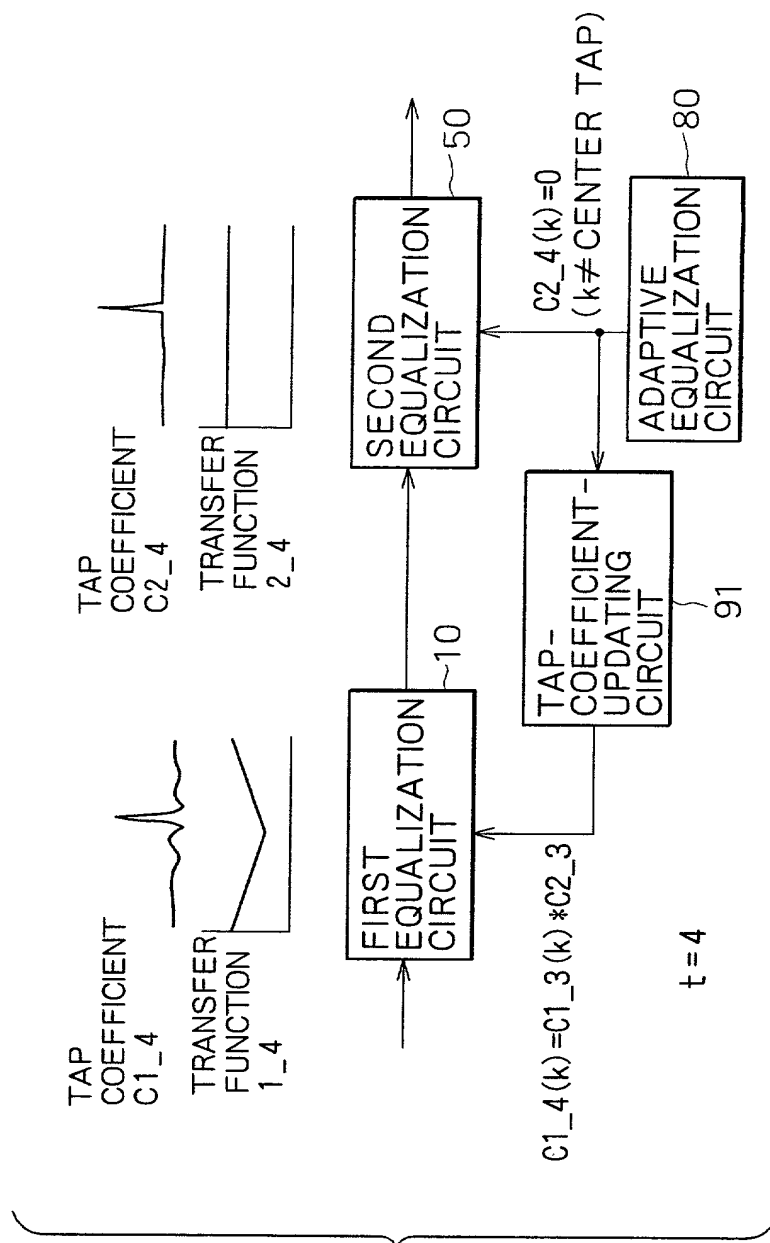


FIG. 40

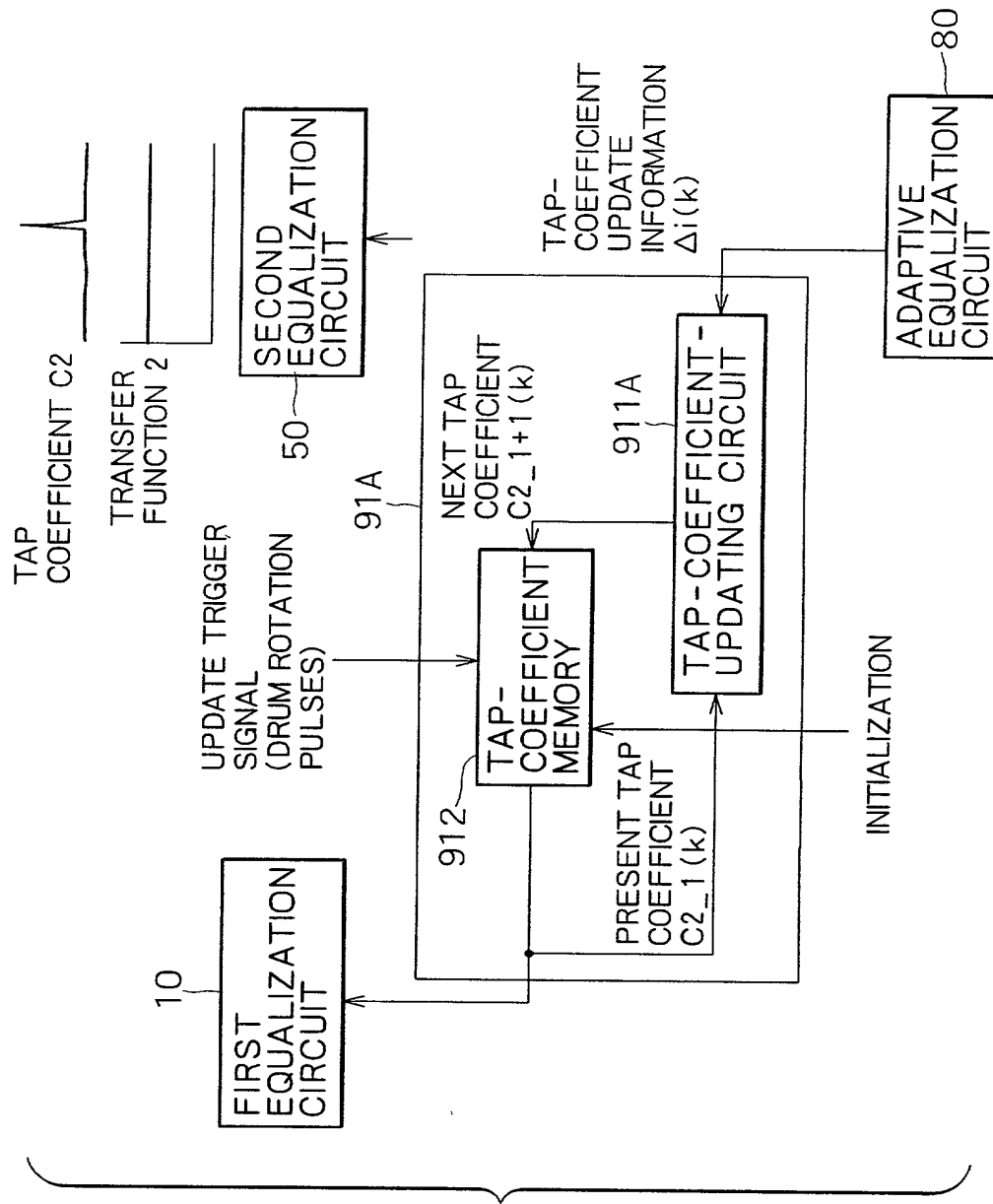


FIG. 41

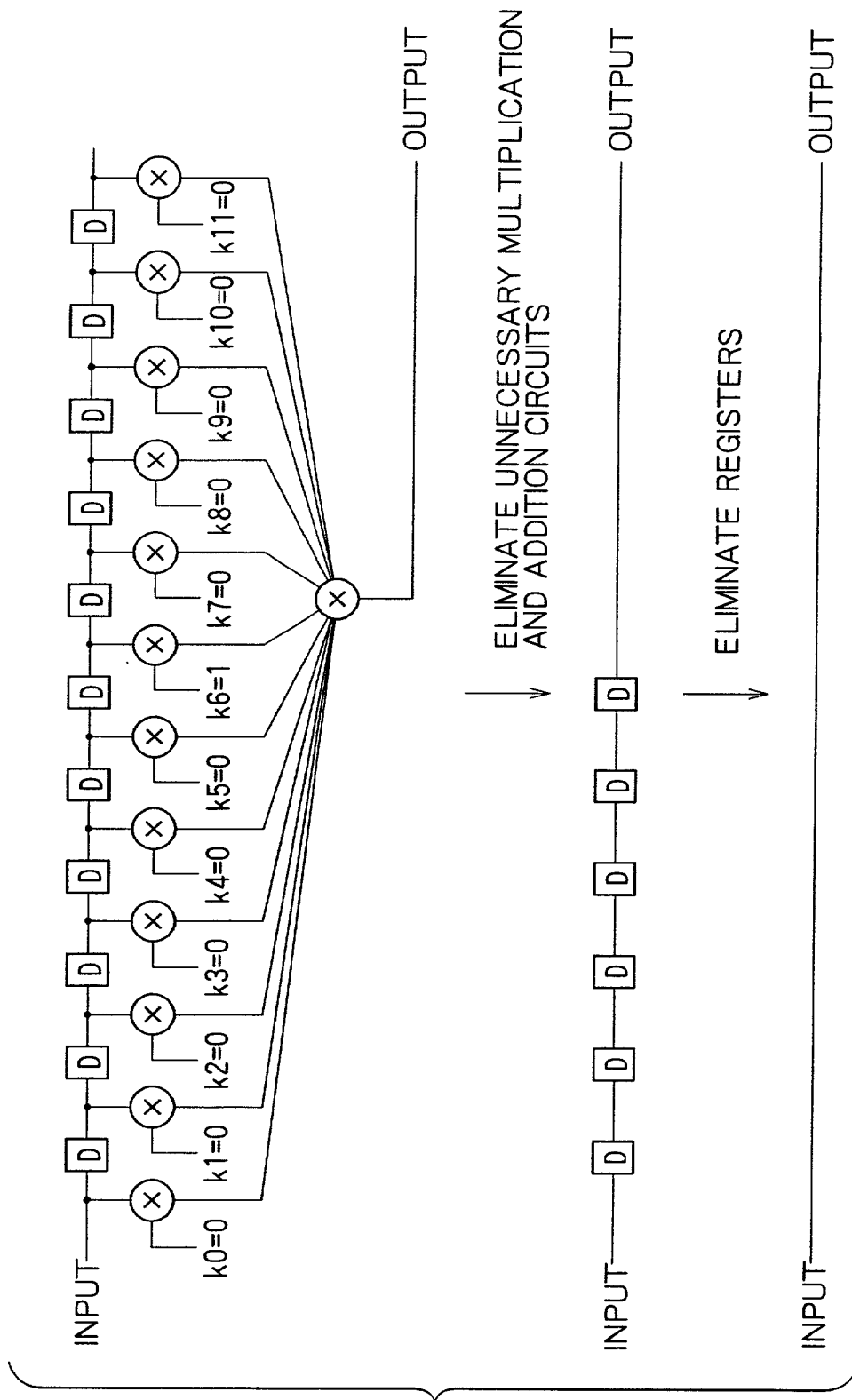


FIG. 42

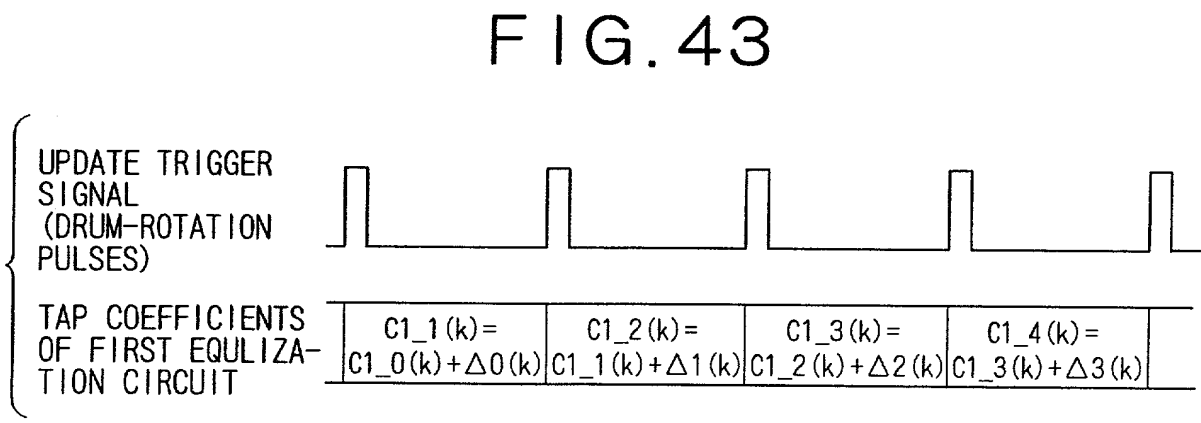
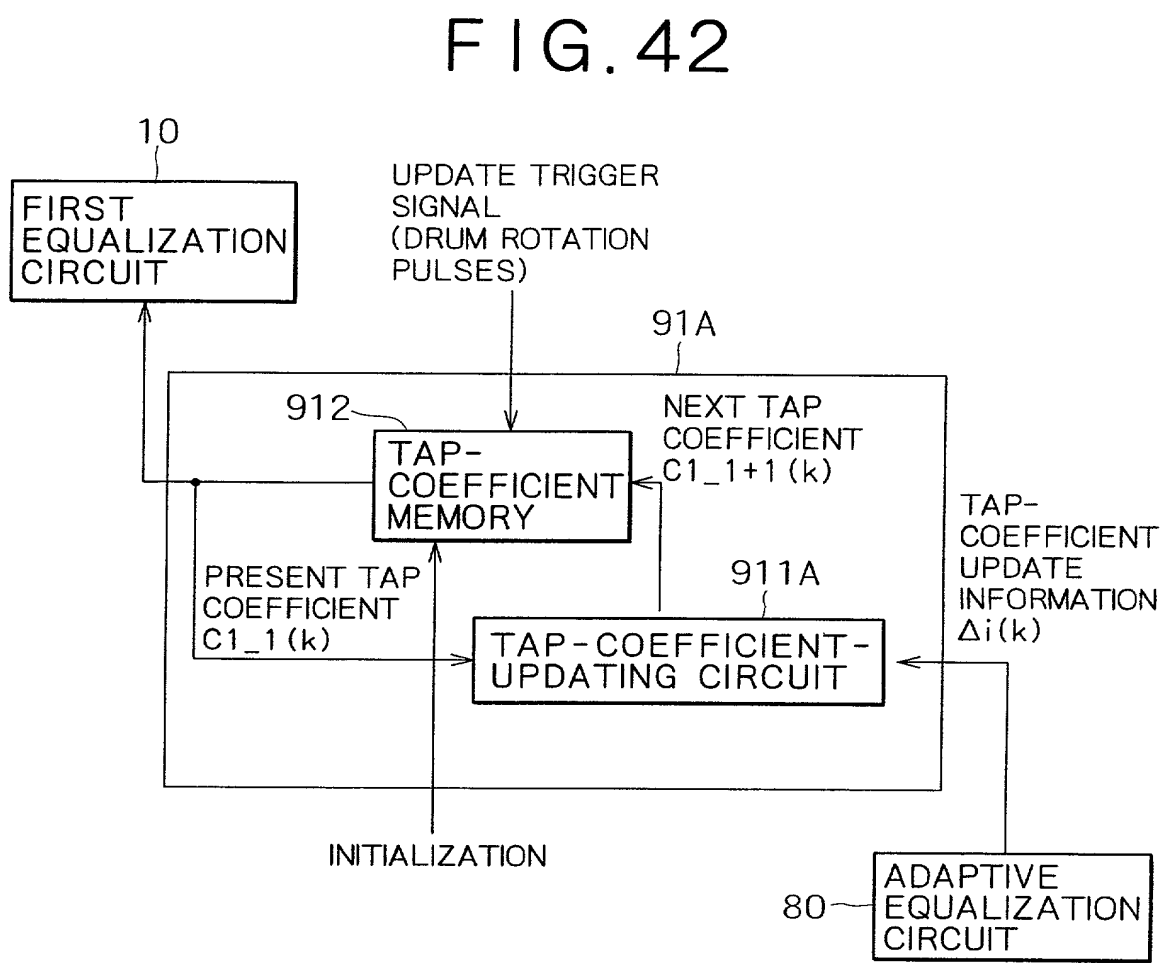


FIG. 44

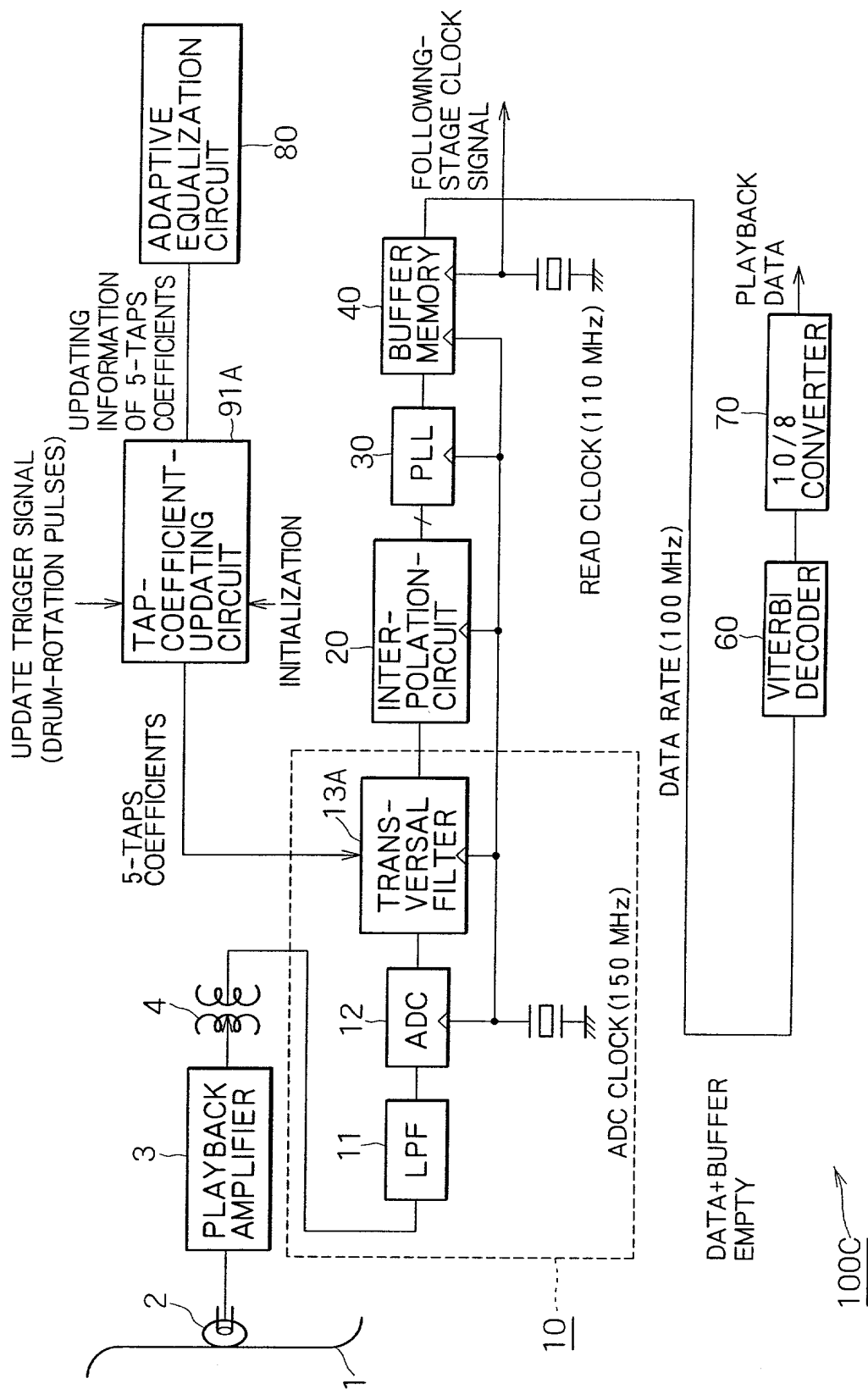
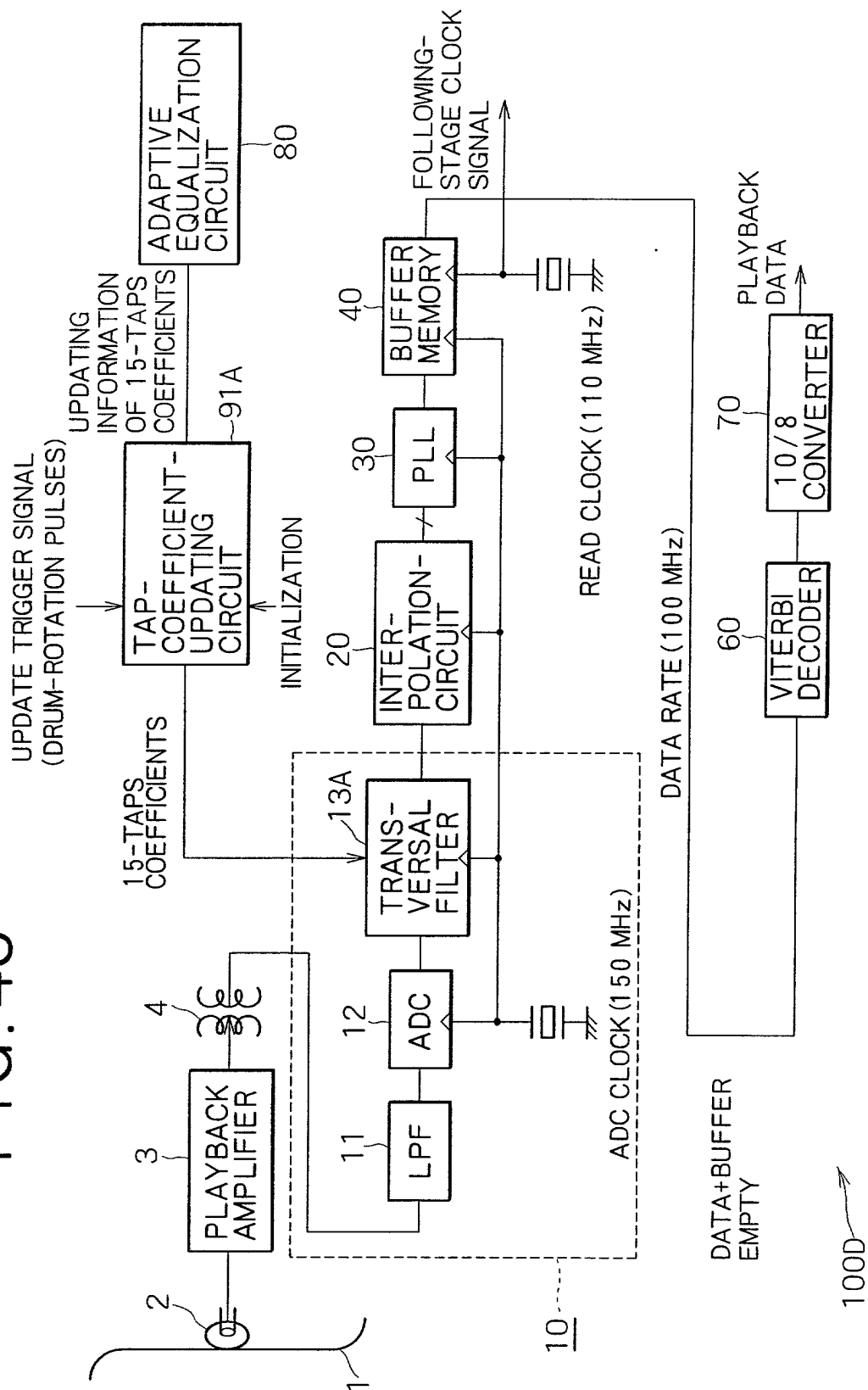


FIG. 45





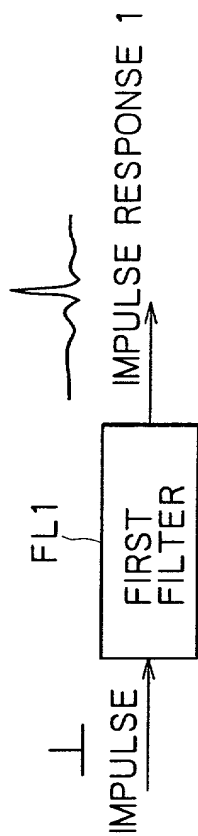


FIG. 46A

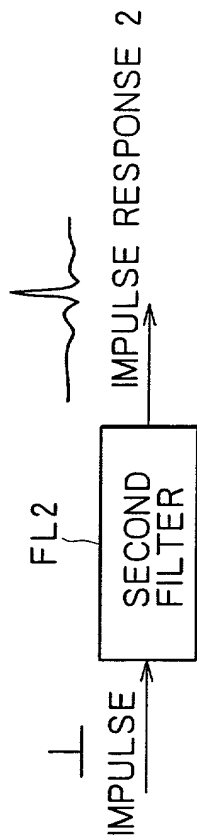


FIG. 46B

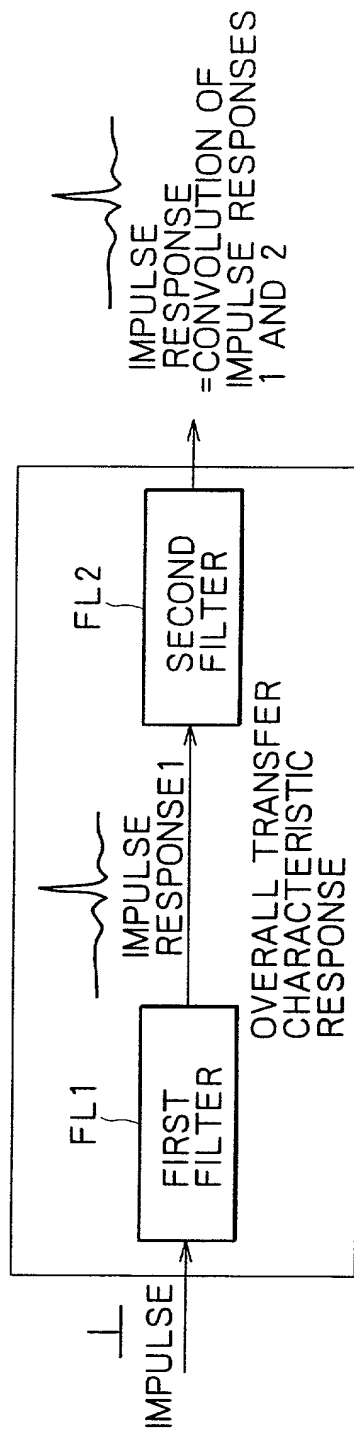
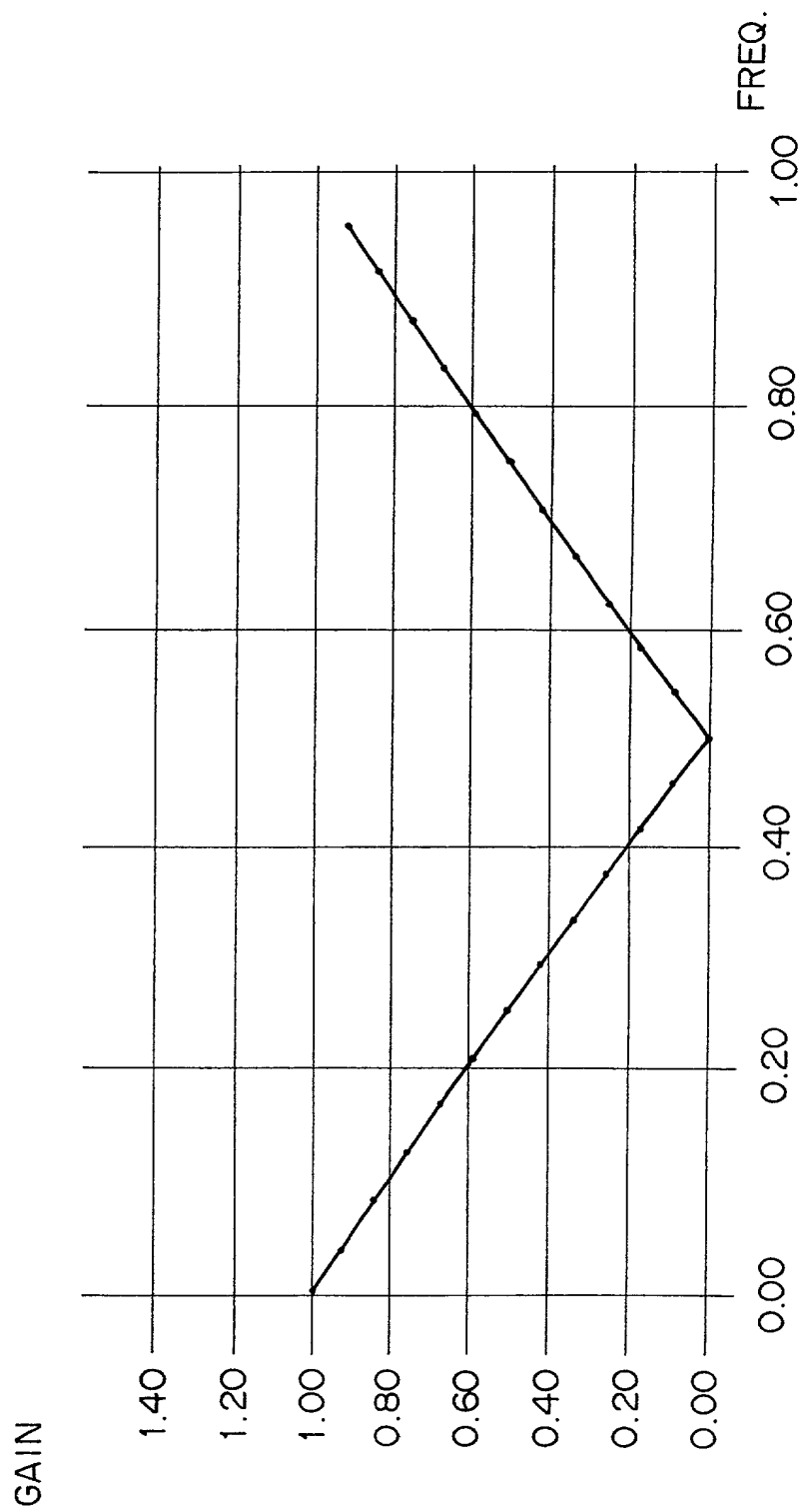


FIG. 46C

FIG. 47

TRANSFER CHARACTERISTICS OF THE 24-TAPS EQUALIZER 1 ( $t=i$ )

# FIG. 48

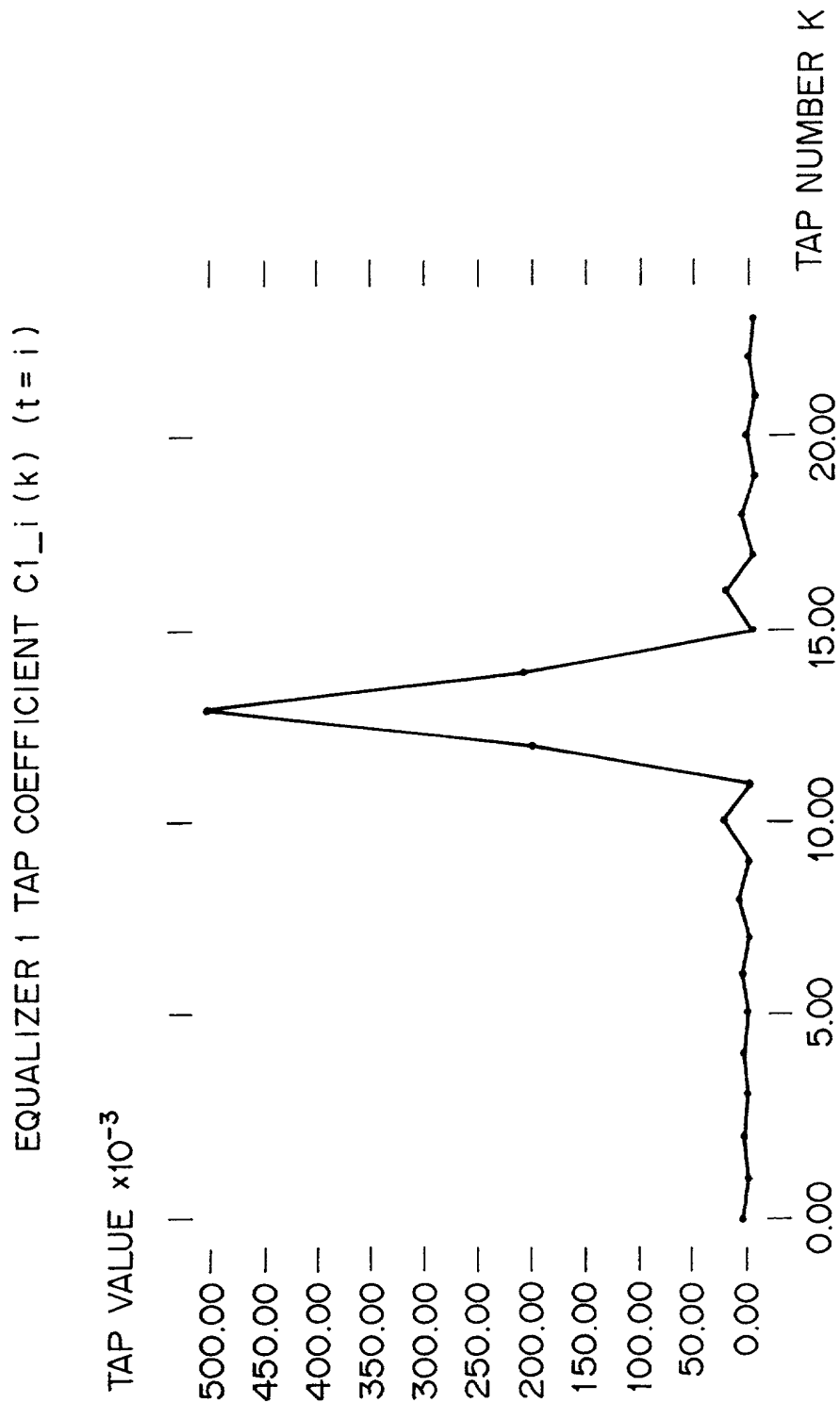
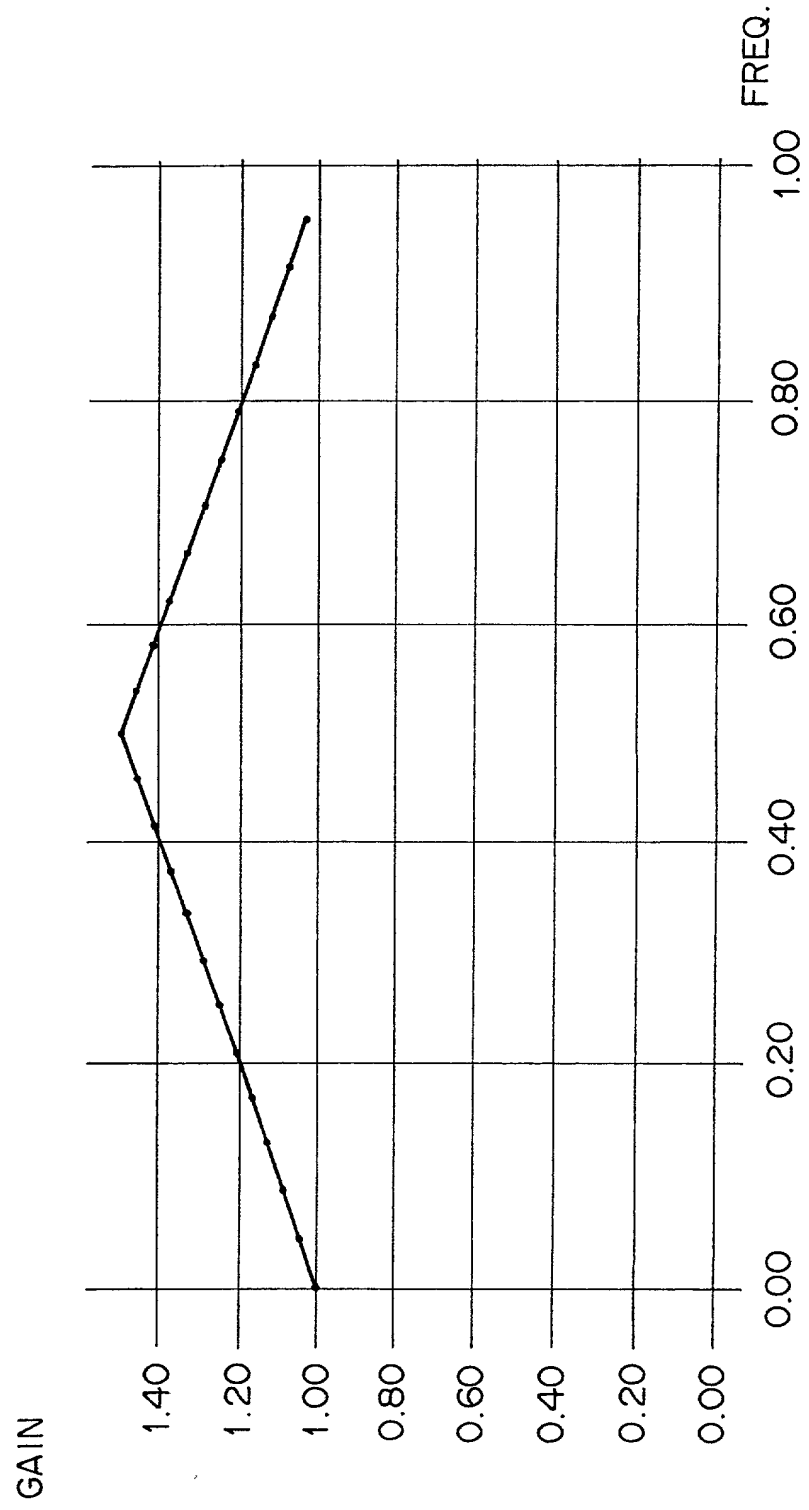


FIG. 49

TRANSFER CHARACTERISTICS OF THE 24-TAPS EQUALIZER 2 ( $t = i$ )



# FIG. 50

EQUALIZER 2 TAP COEFFICIENT  $C2_i (K)$  ( $t = i$ )

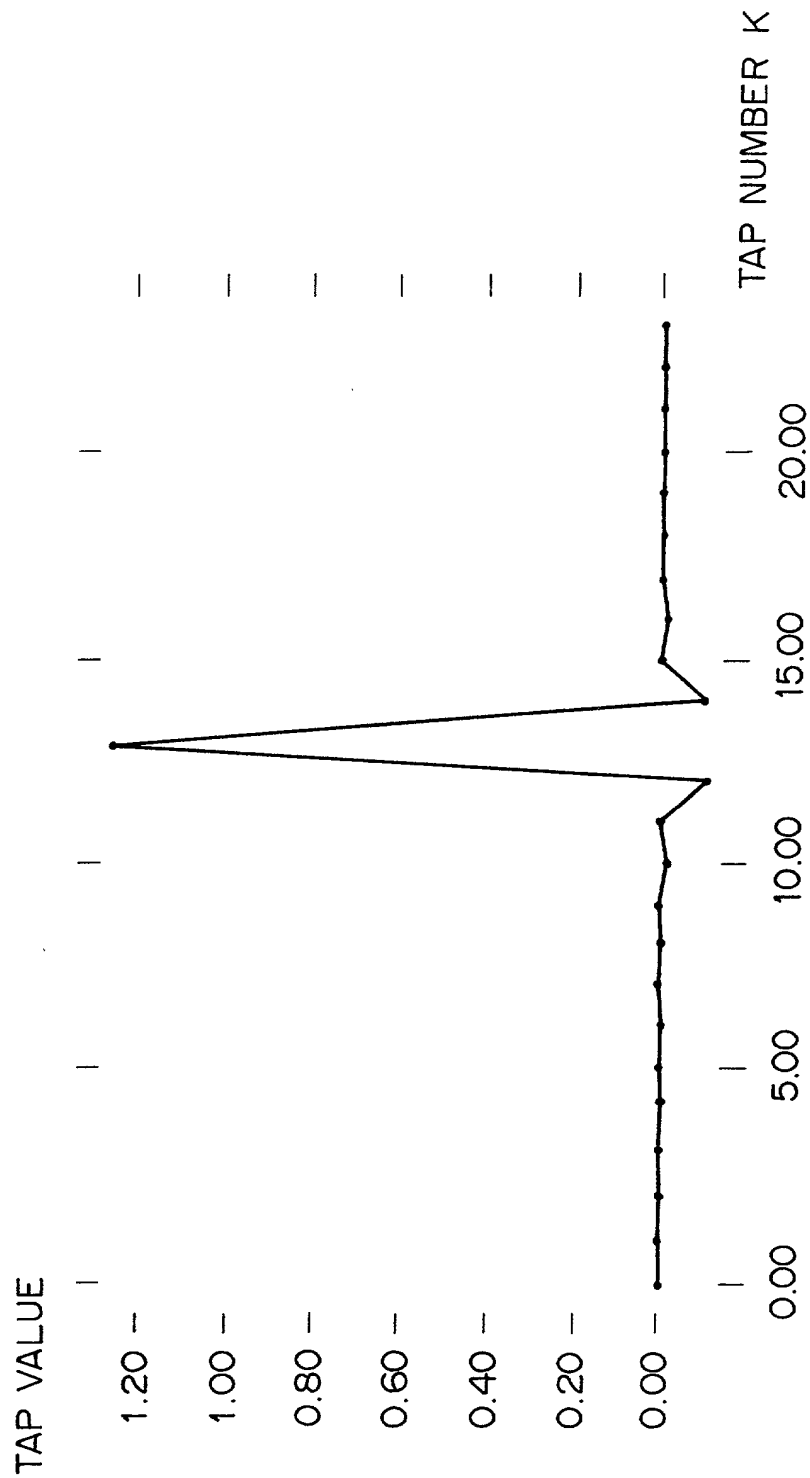
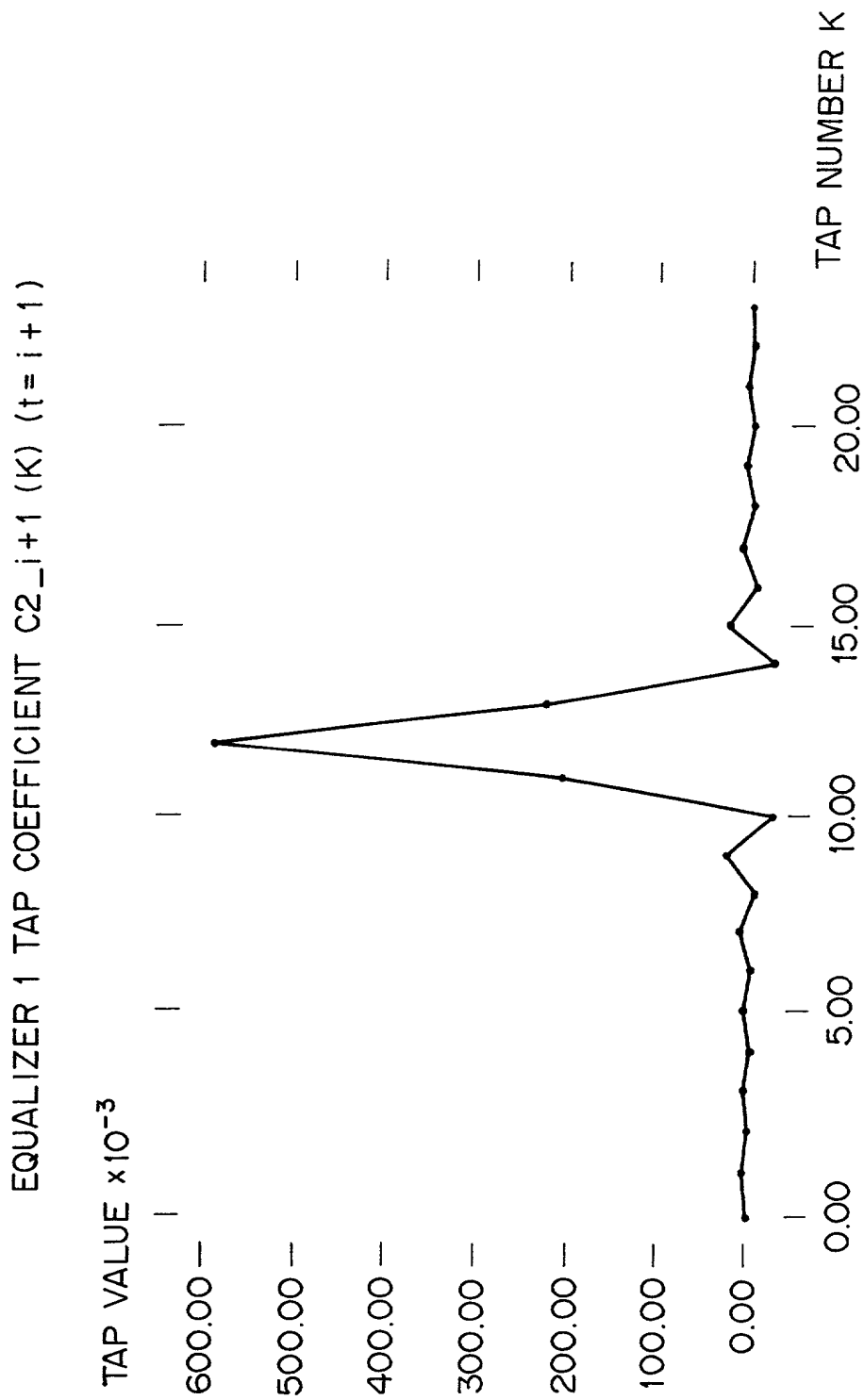


FIG. 51



# FIG. 52

TRANSFER CHARACTERISTICS OF THE 24-TAPS EQUALIZER 1 ( $t = i + 1$ )

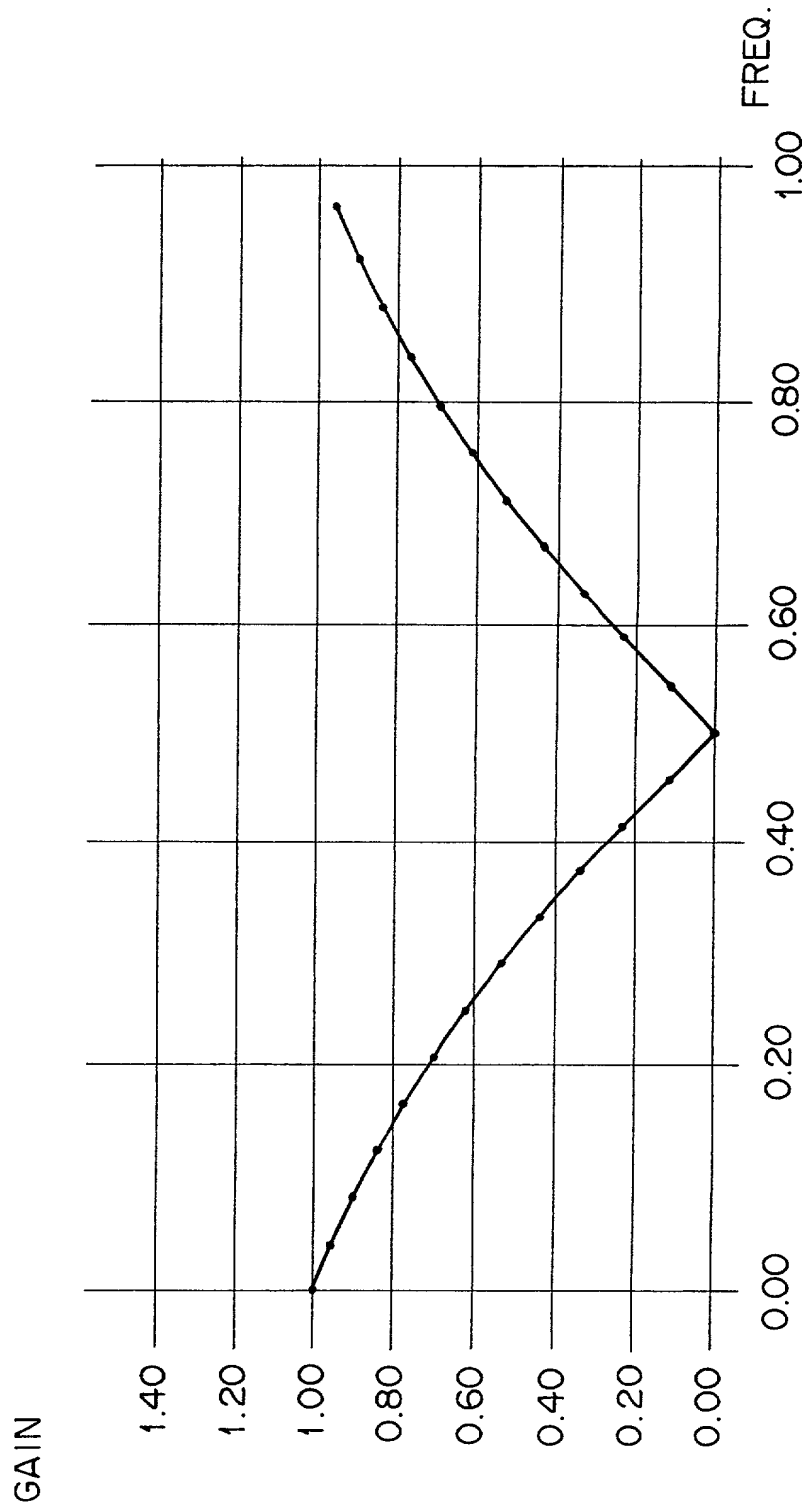


FIG. 53

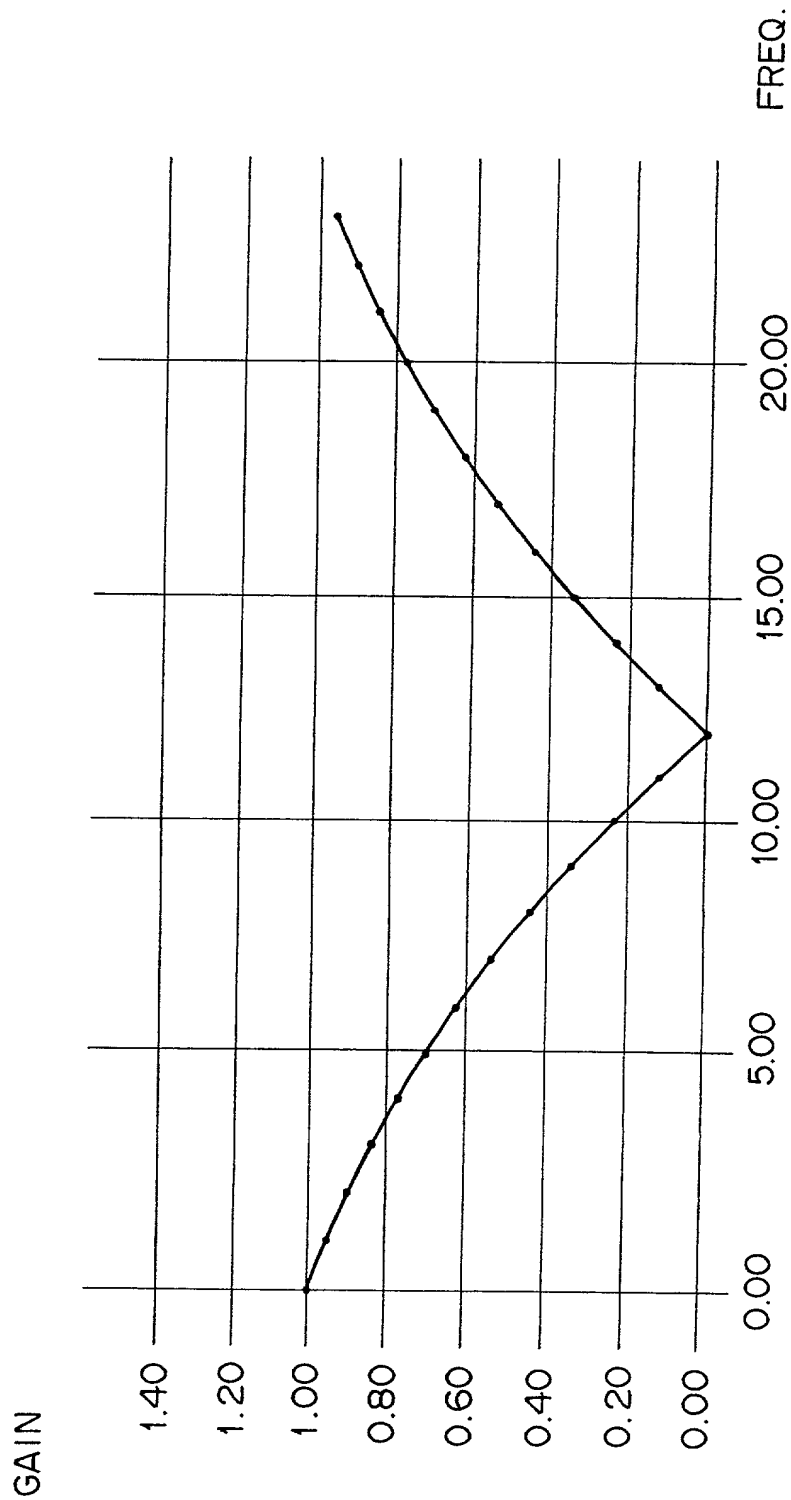
TRANSFER CHARACTERISTICS OF THE 24-TAPS EQUALIZER 1 ( $t = i + 1$ )



FIG. 54

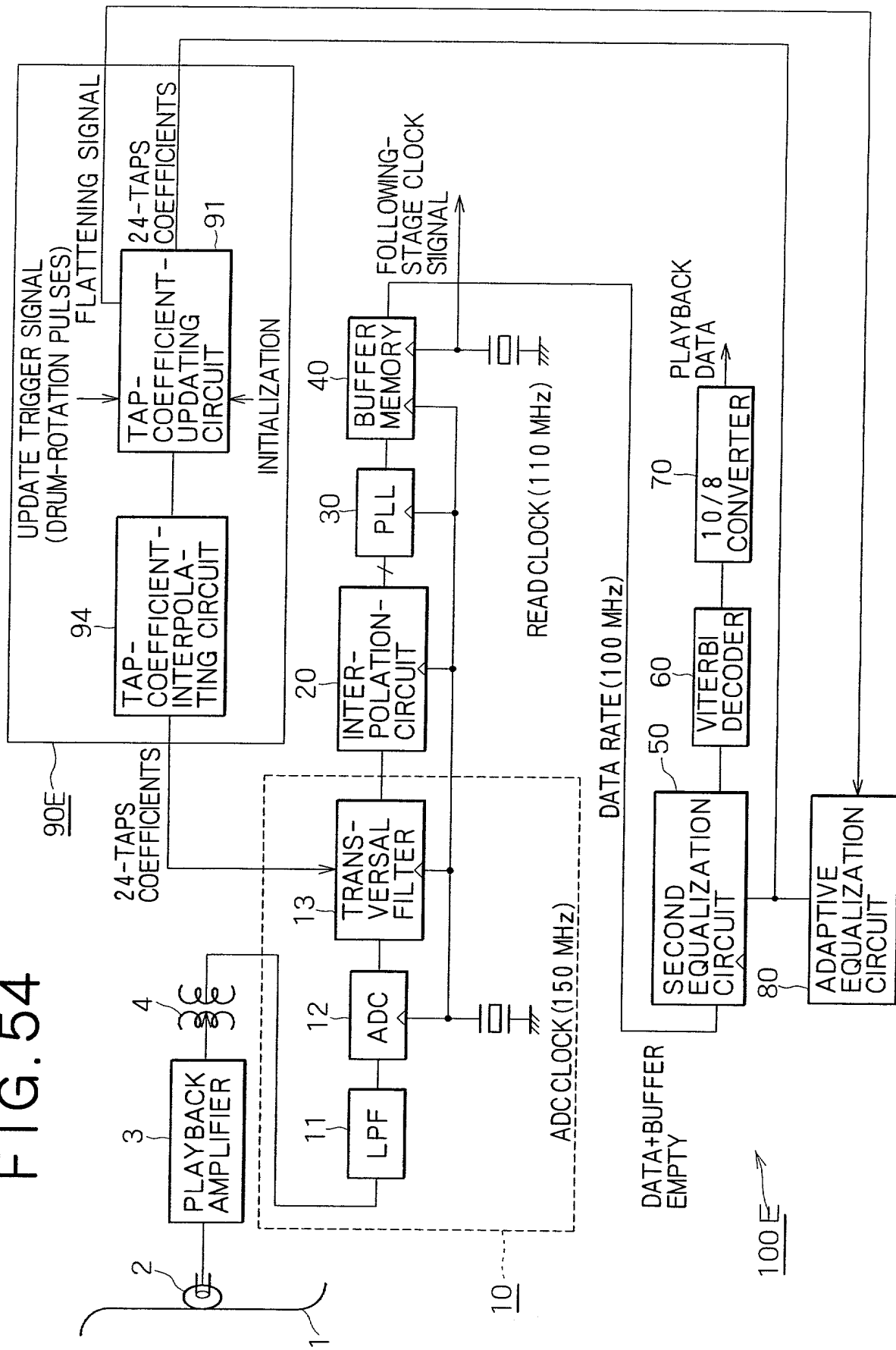


FIG. 55

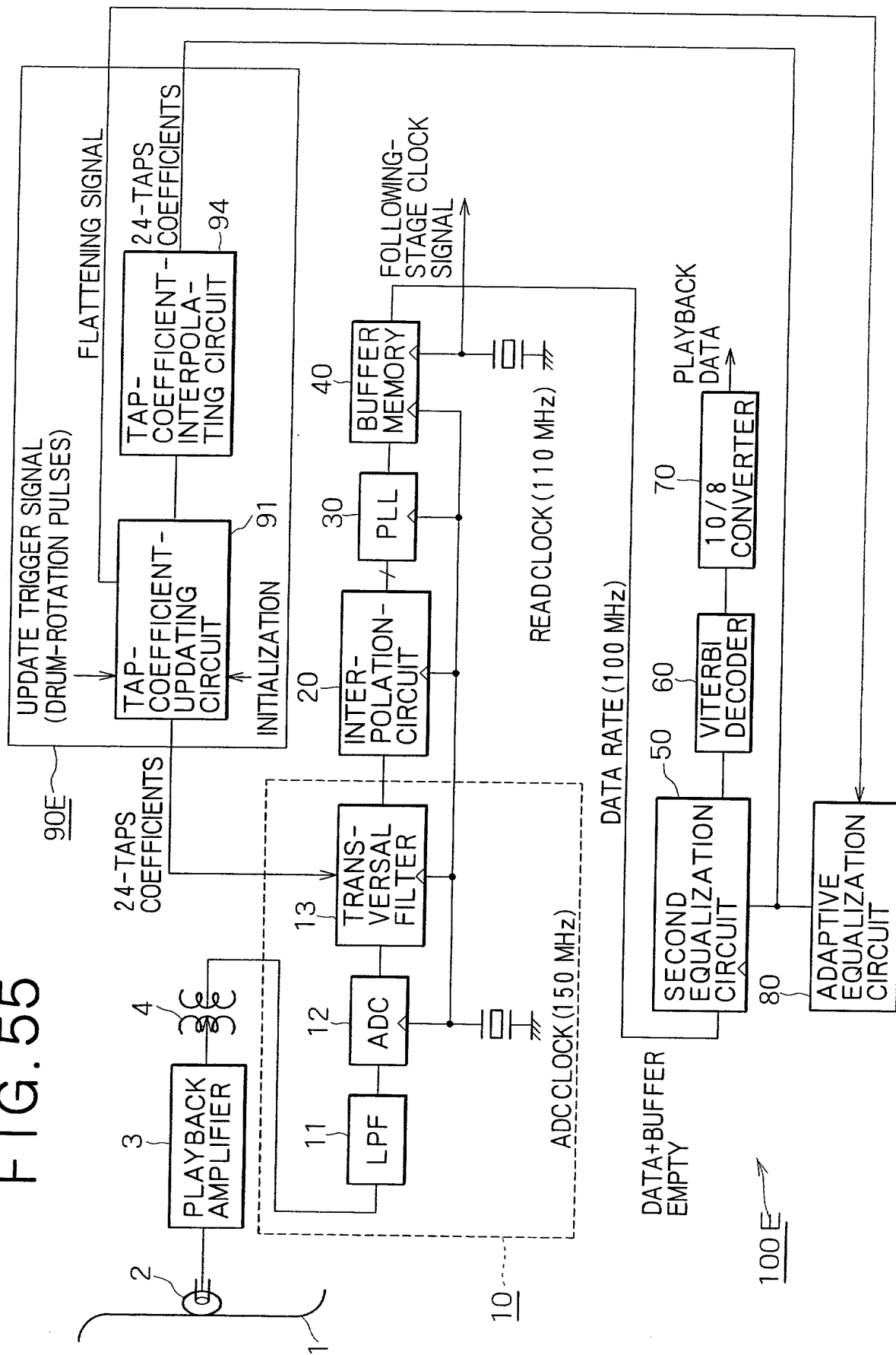


FIG. 56

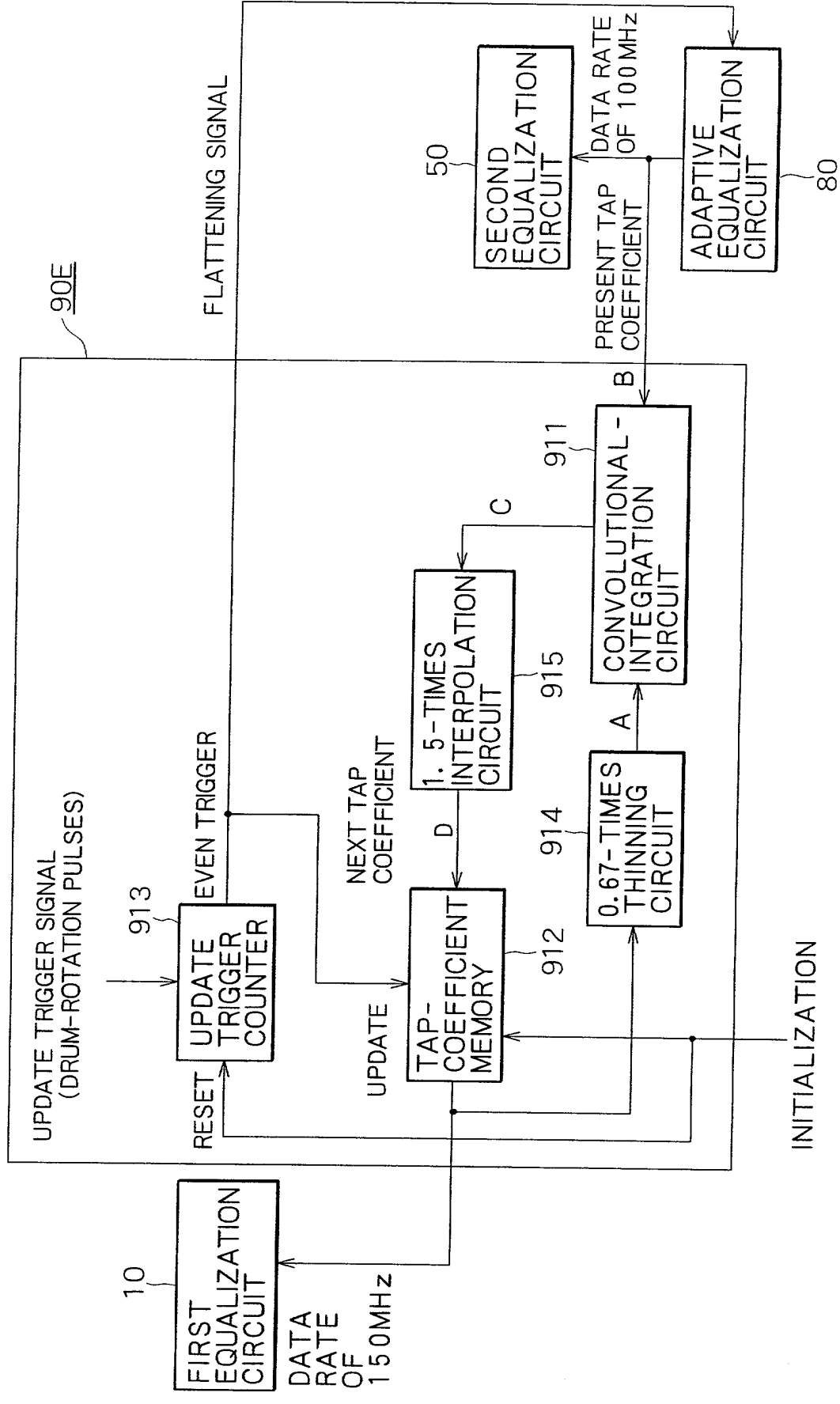


FIG. 57

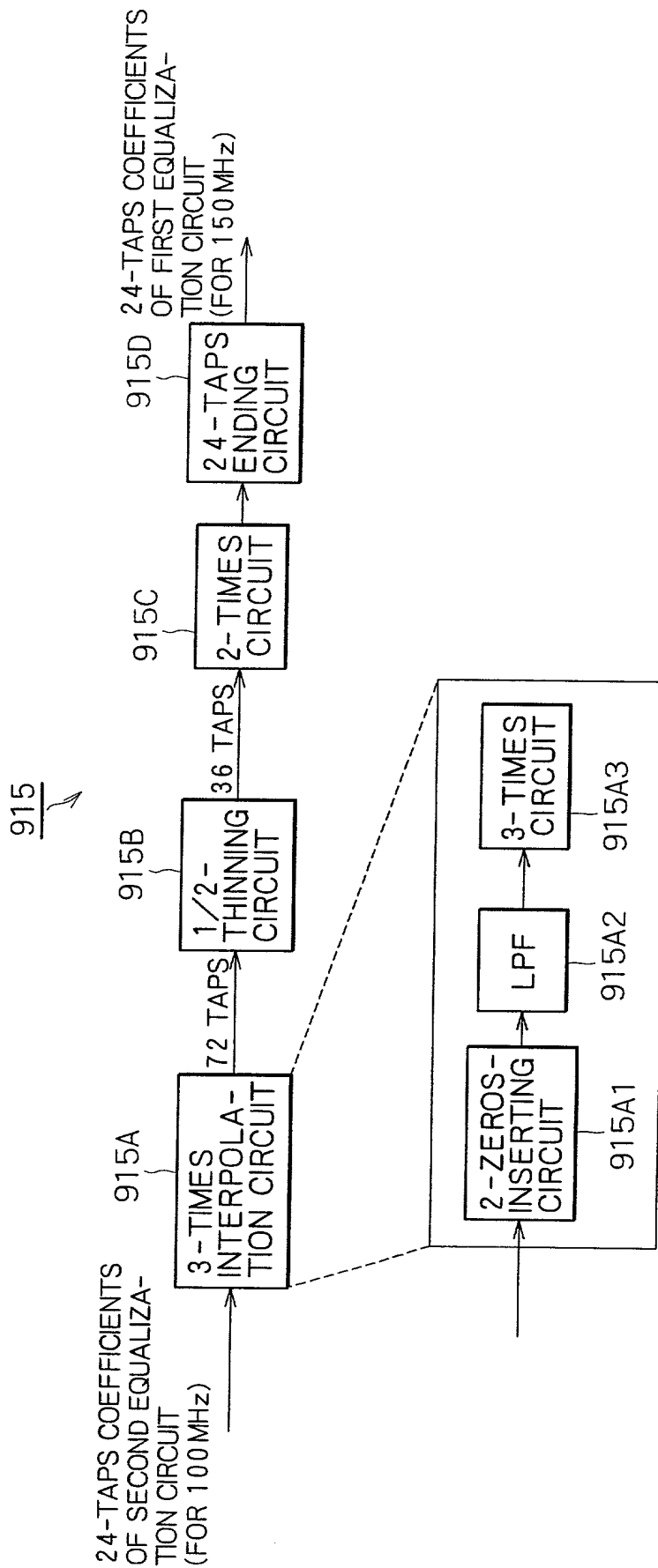


FIG. 58

915

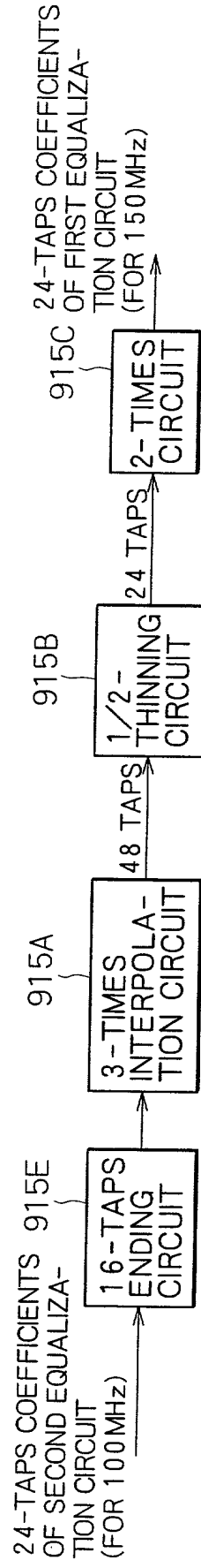


FIG. 59

914

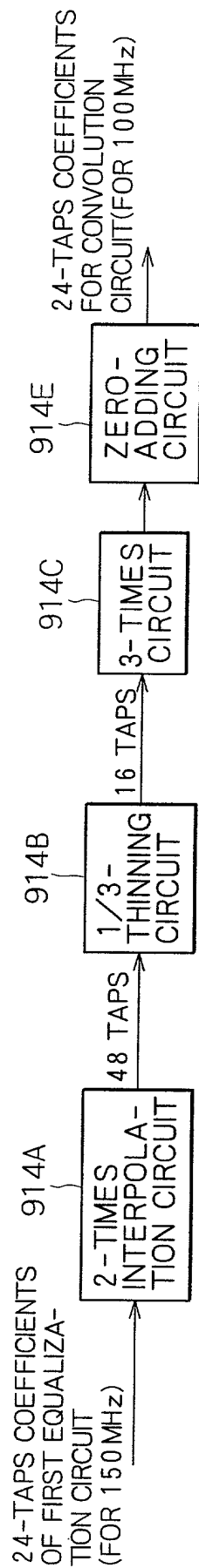


FIG. 60

914

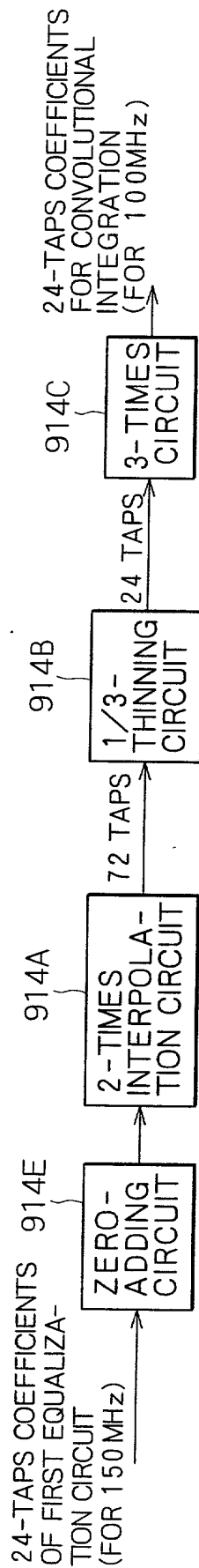


FIG. 61

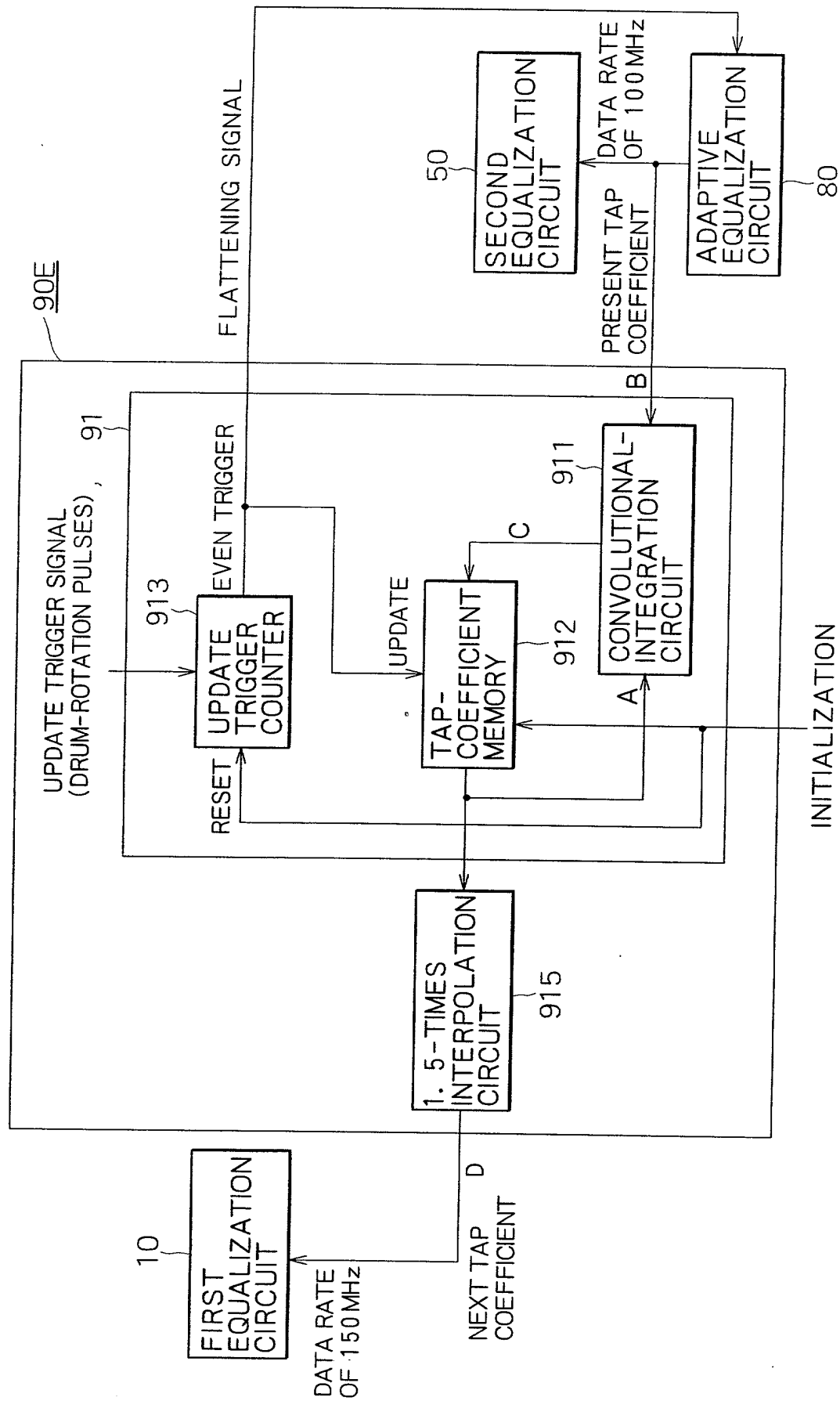




FIG. 62

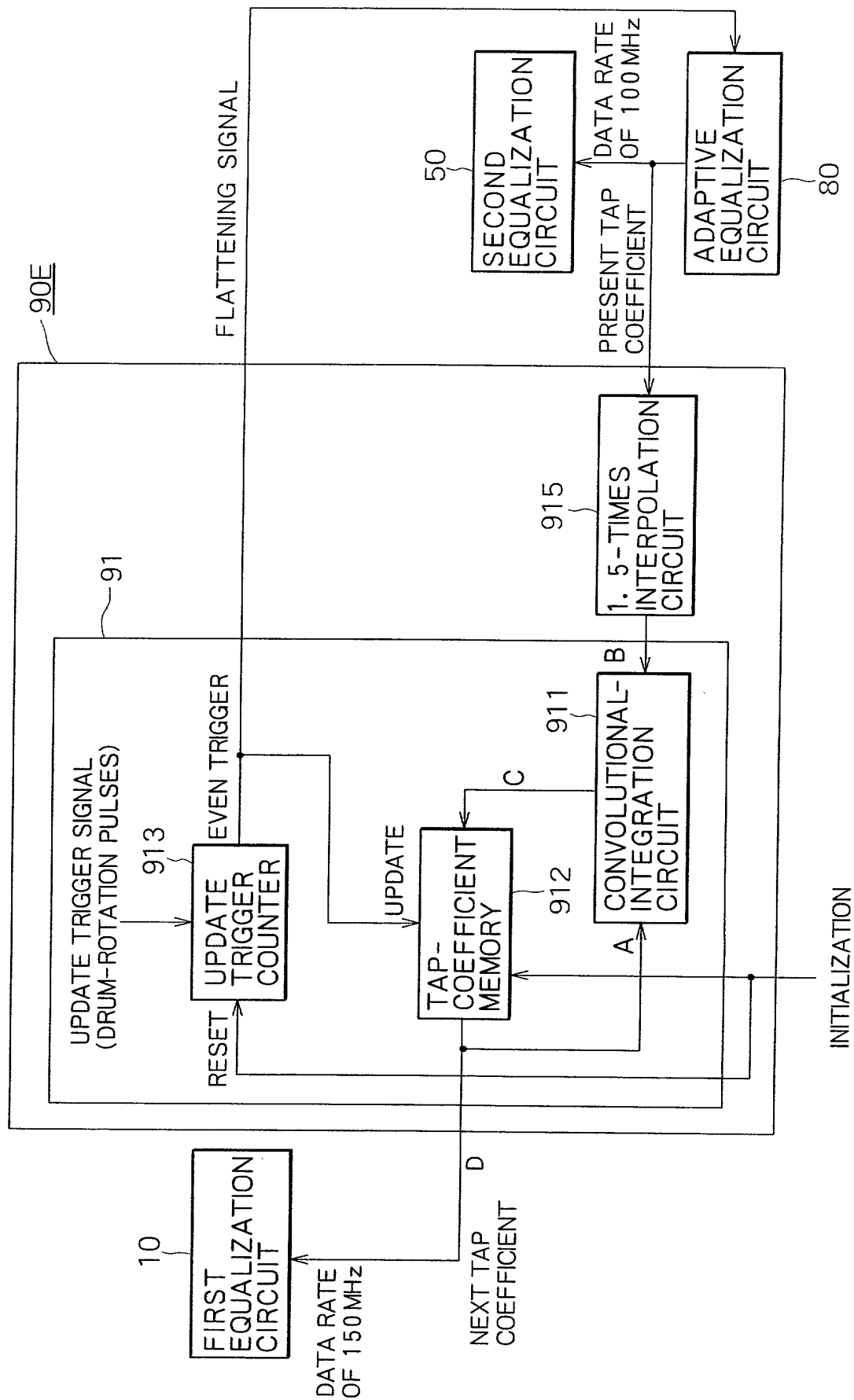


FIG. 63

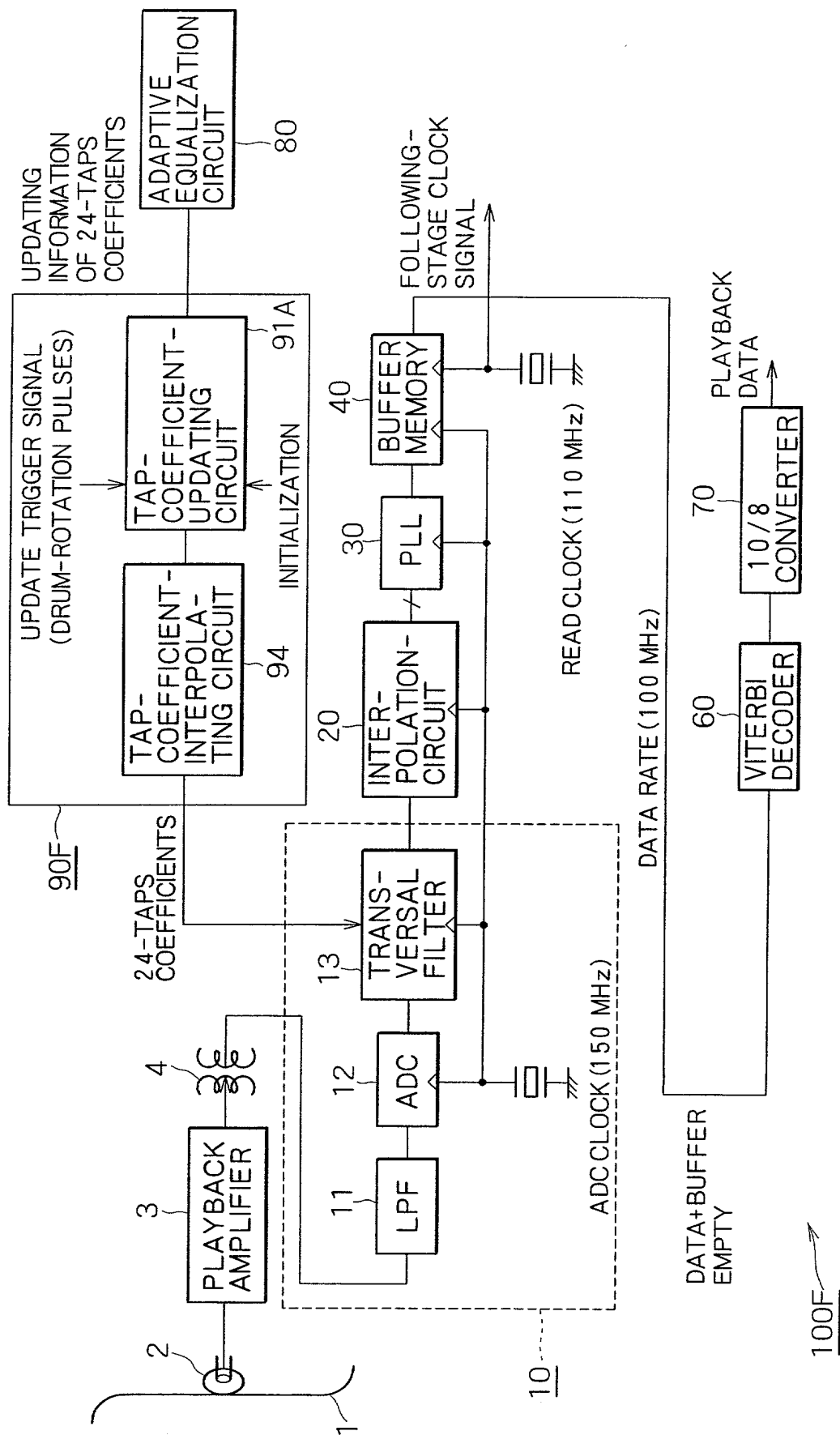


FIG. 64

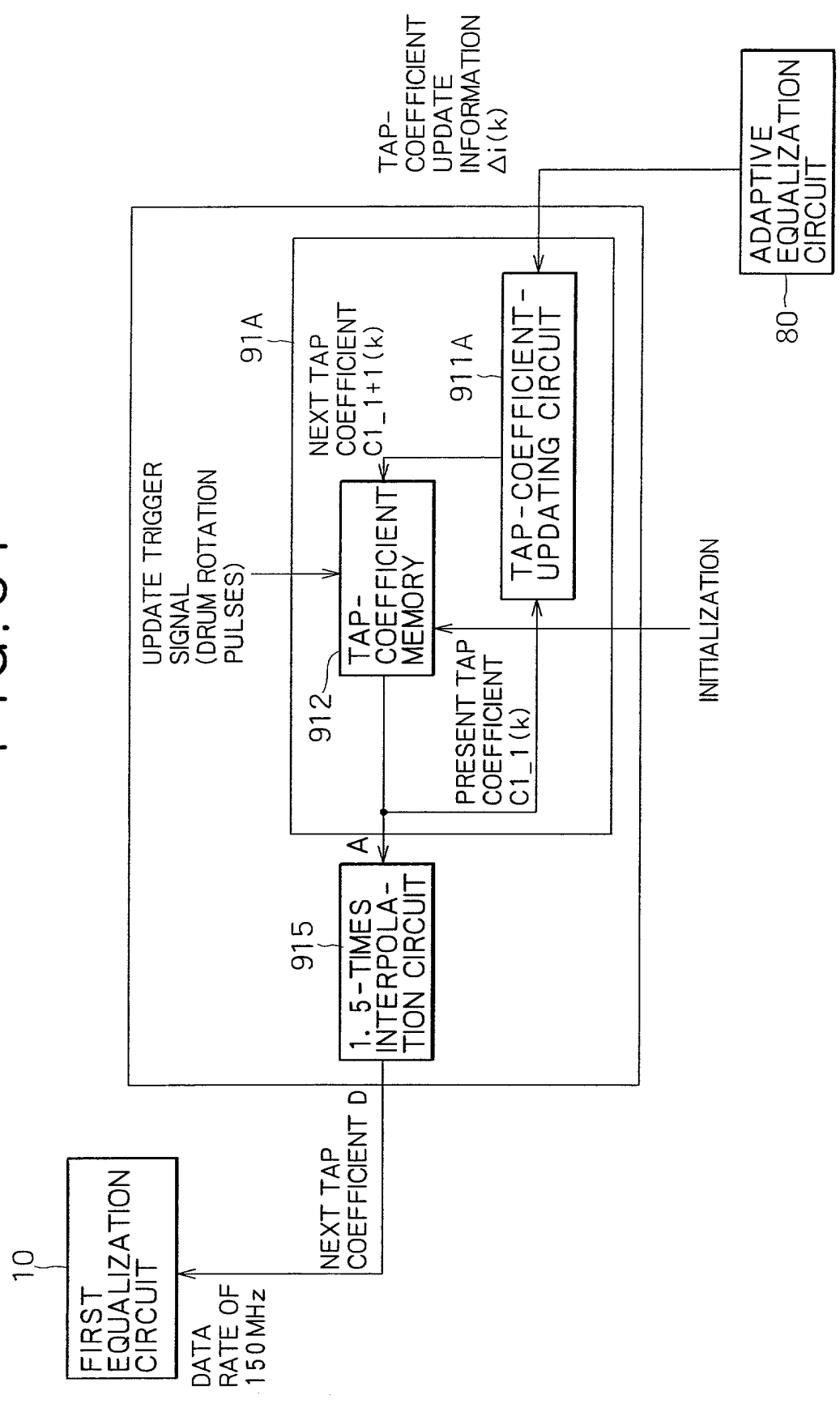


FIG. 65

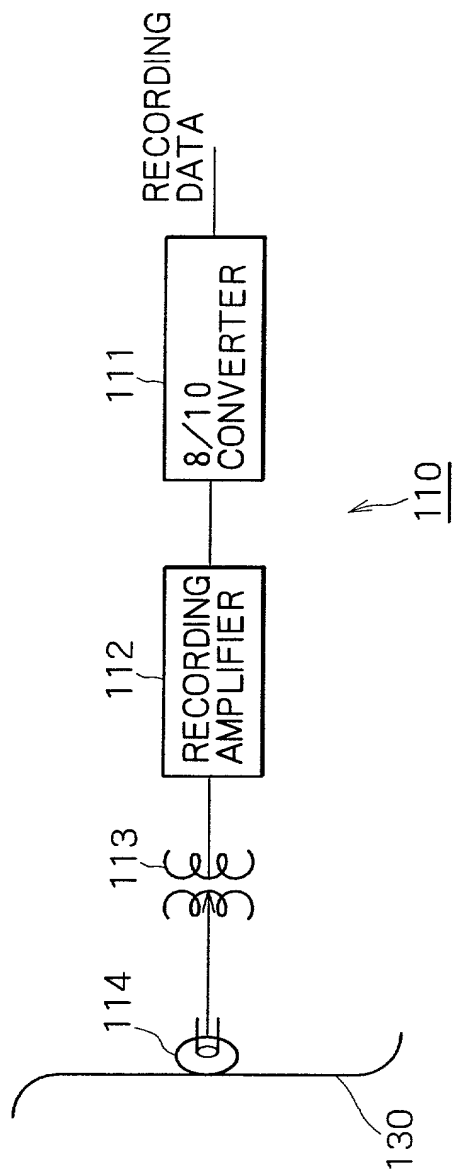


FIG. 66

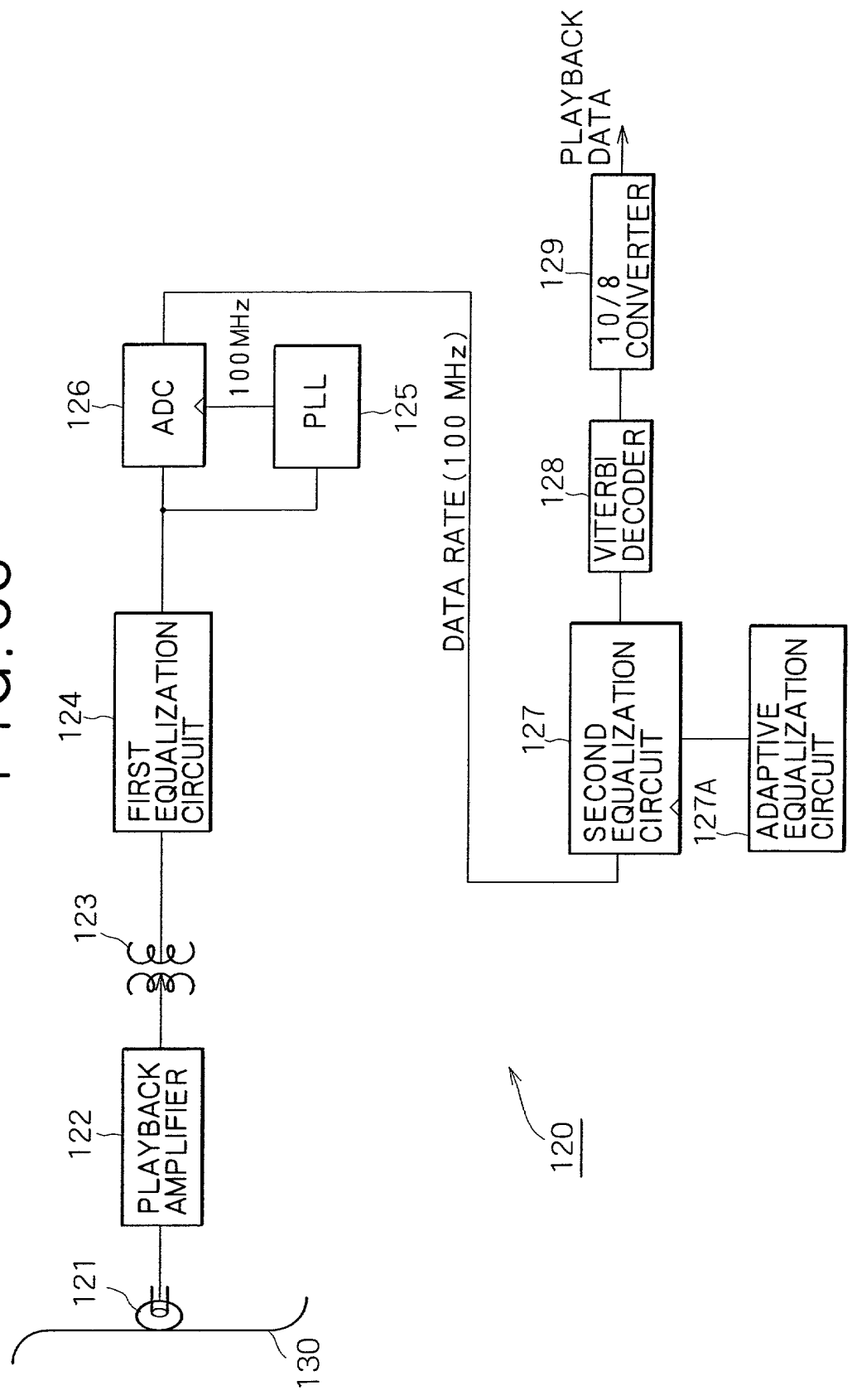
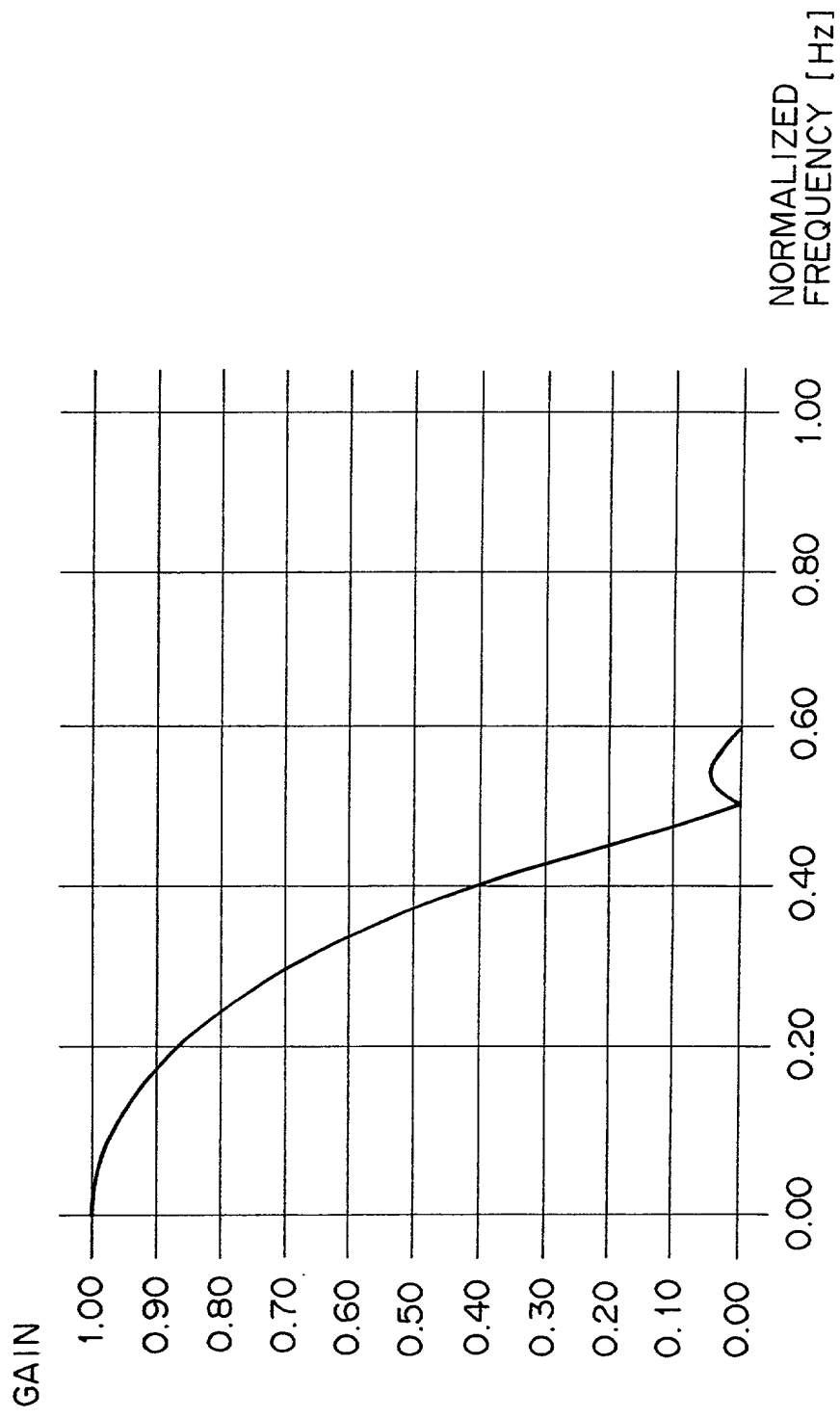


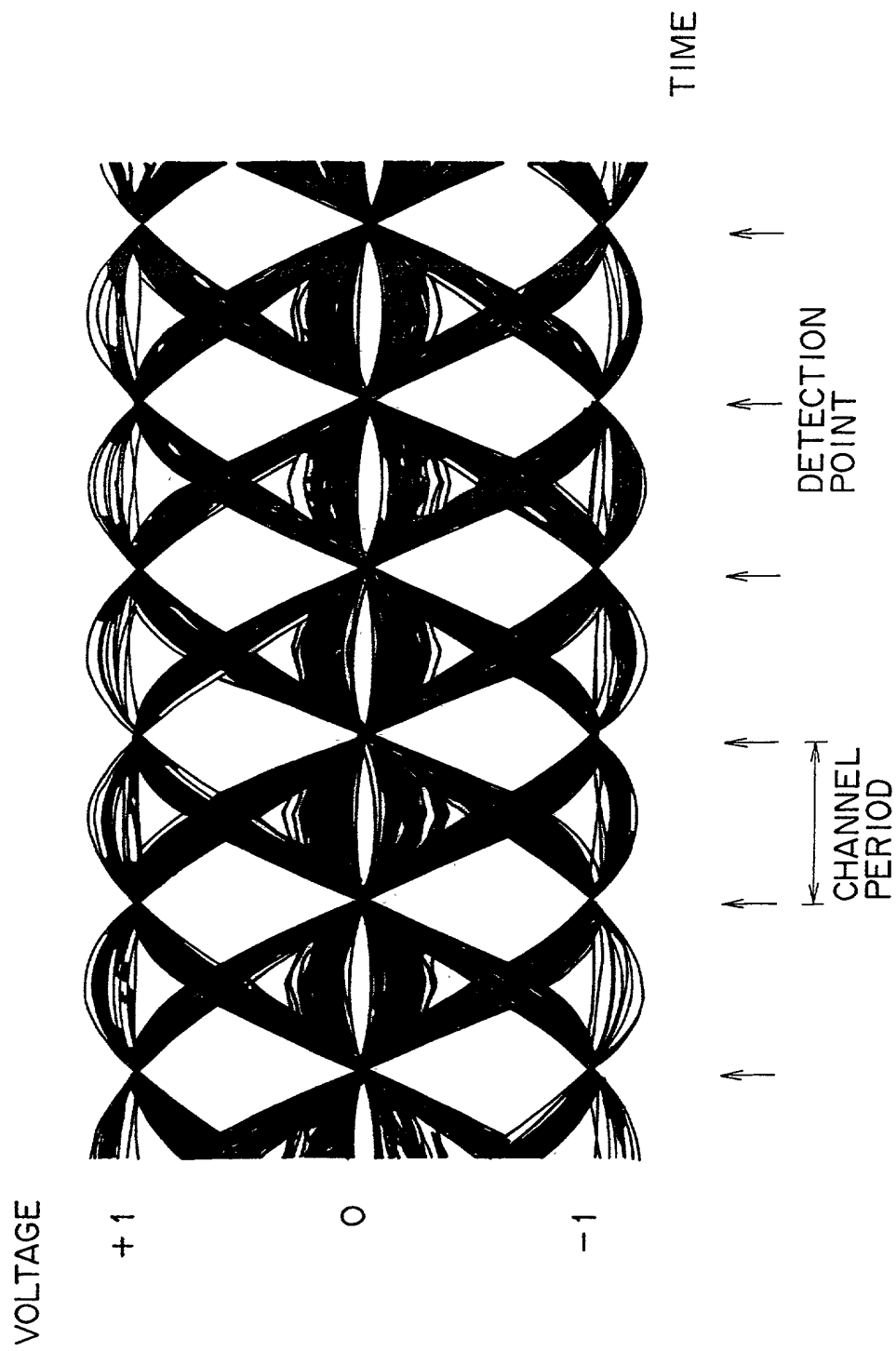
FIG. 67

PR1 CHANNEL CHARACTERISTICS



F1G. 88

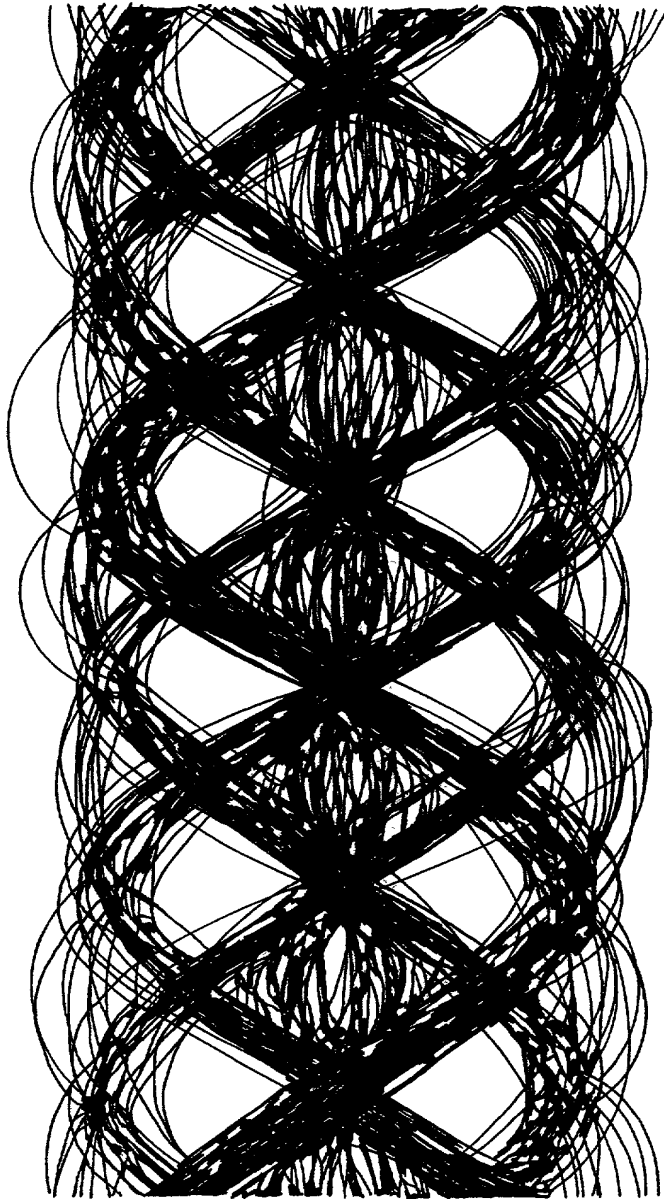
PR1 CHANNEL EYE PATTERN



# FIG. 69

PR1 CHANNEL EYE PATTERN

VOLTAGE



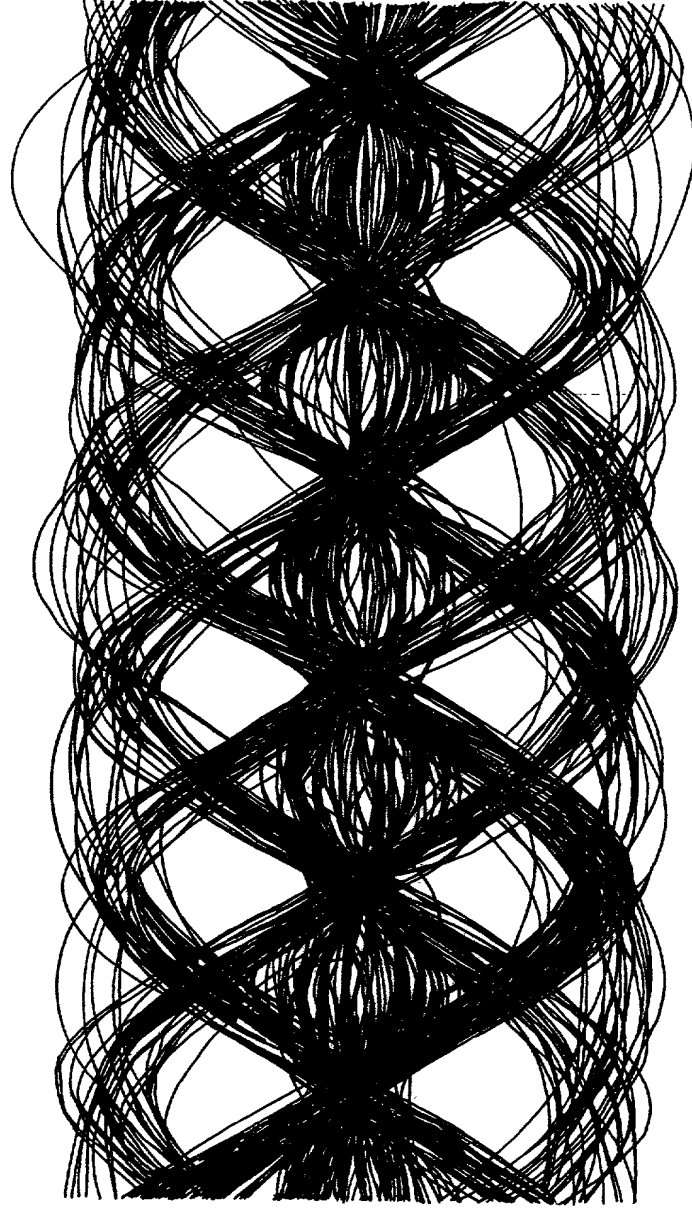
TIME



FIG. 70

PR1 CHANNEL EYE PATTERN

VOLTAGE



TIME



FIG. 72

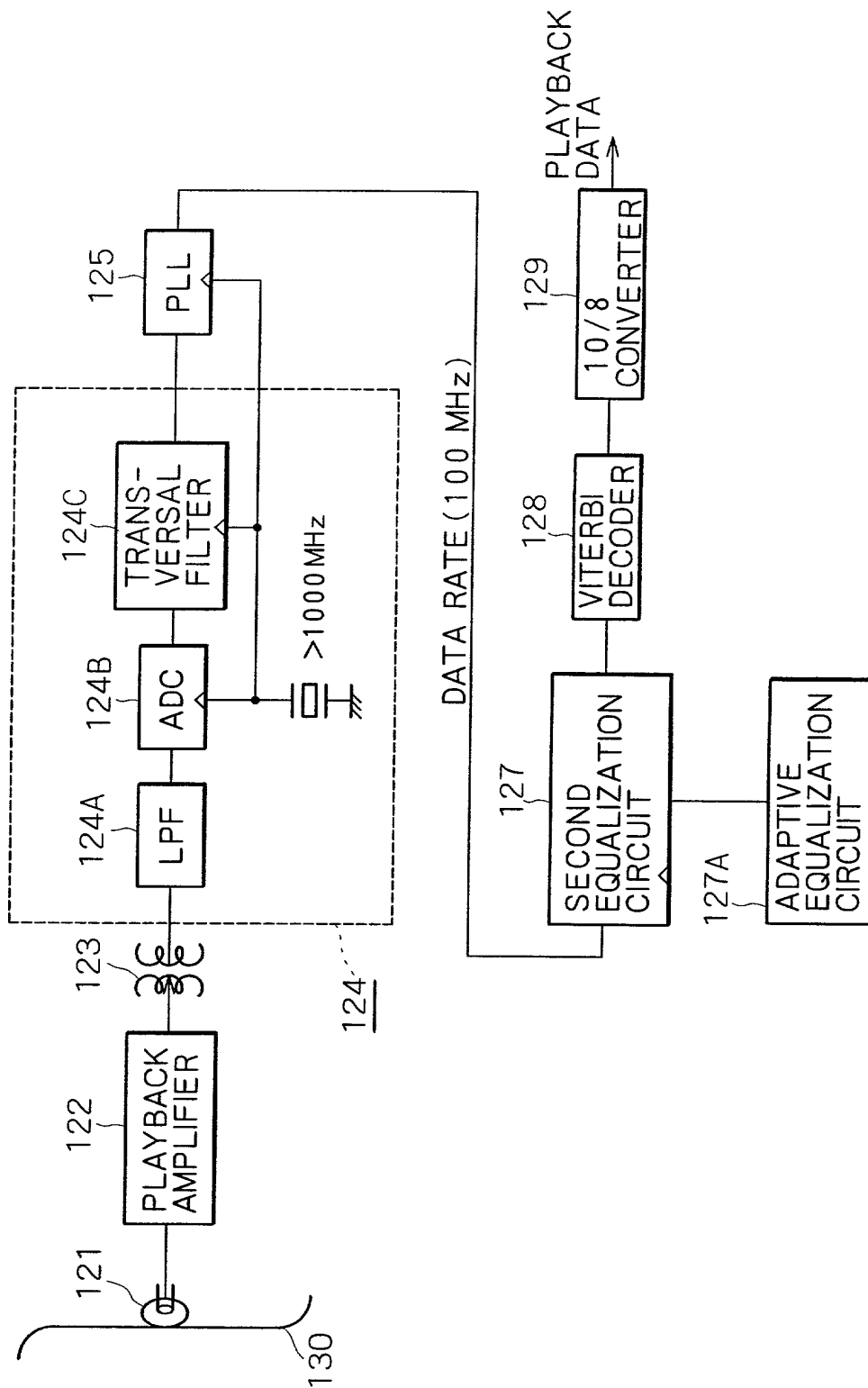
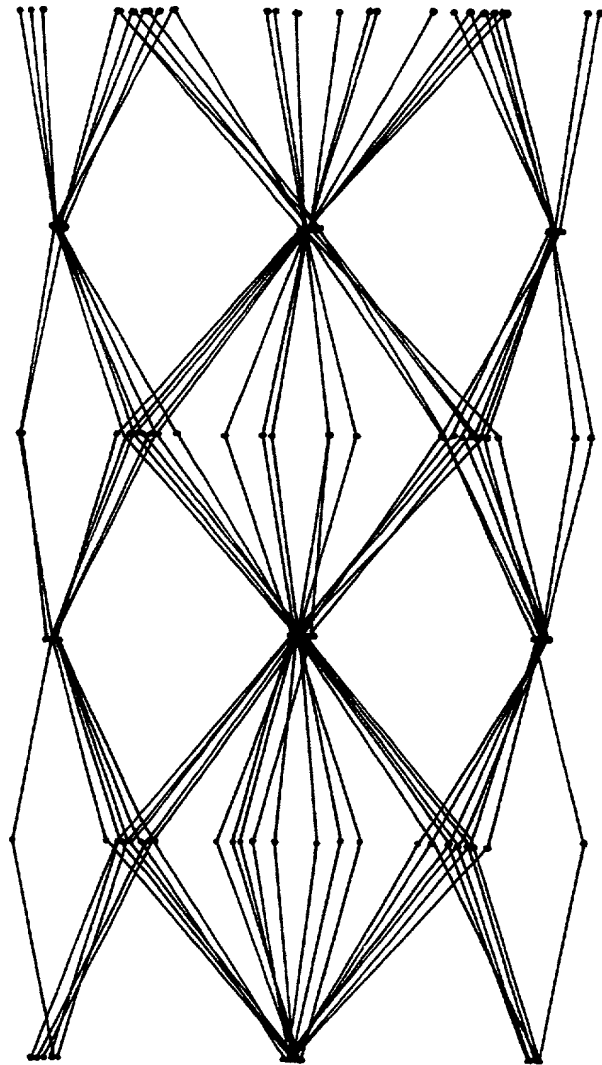


FIG. 73

PR1 EYE PATTERN

VOLTAGE

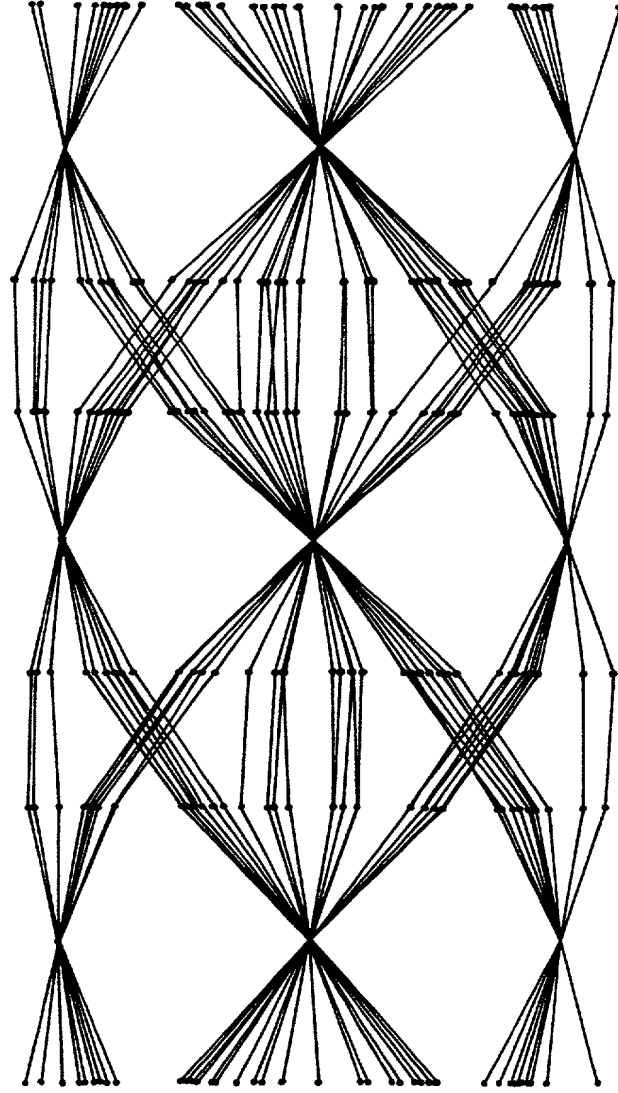


TIME

FIG. 74

PR1 EYE PATTERN

VOLTAGE

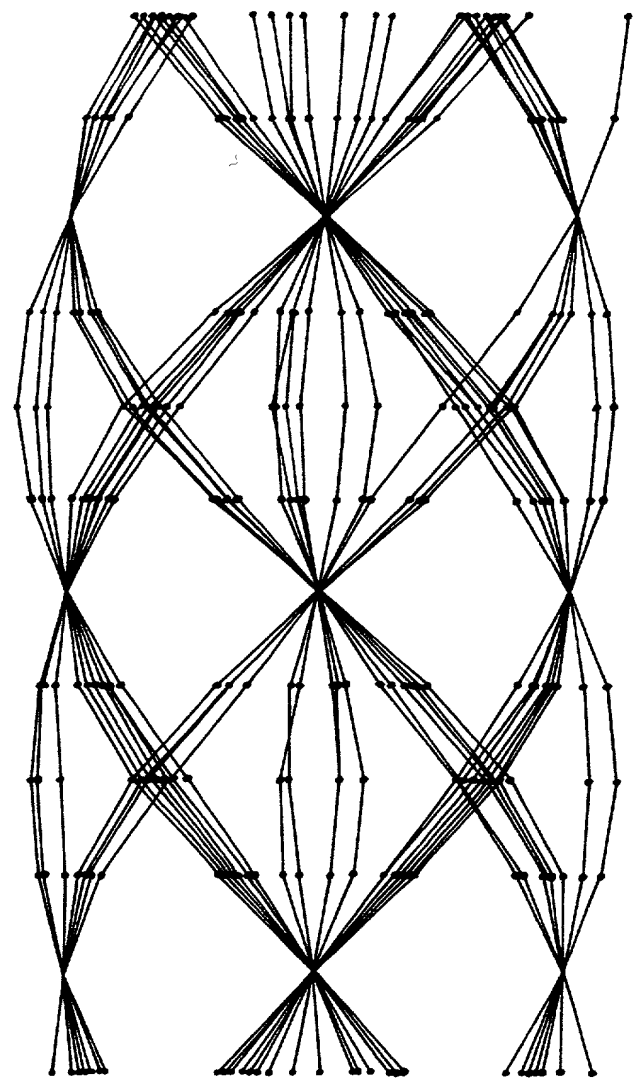


TIME

FIG. 75

PR1 EYE PATTERN

VOLTAGE

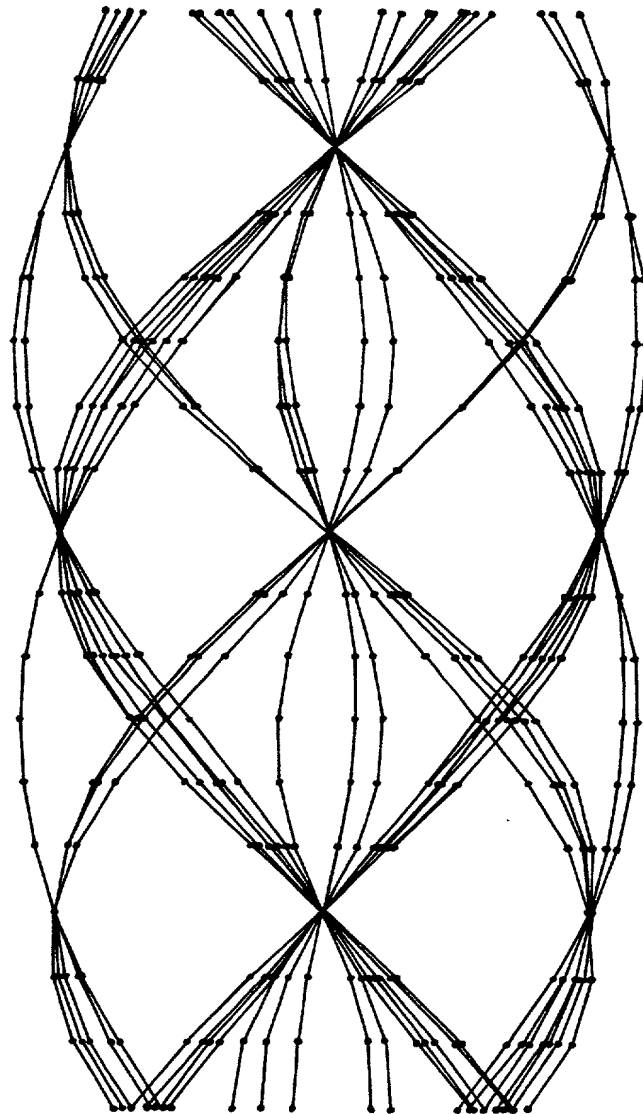


TIME

FIG. 76

PR1 EYE PATTERN

VOLTAGE



TIME

FIG. 77

PR1 EYE PATTERN

